

AD-A061 643

ARMY ENGINEER WATERWAYS EXPERIMENT STATION VICKSBURG MISS F/6 13/3
A SELECTED BIBLIOGRAPHY OF THE LIFE REQUIREMENTS OF COLONIAL NE--ETC(U)
SEP 78 M C LANDIN

UNCLASSIFIED

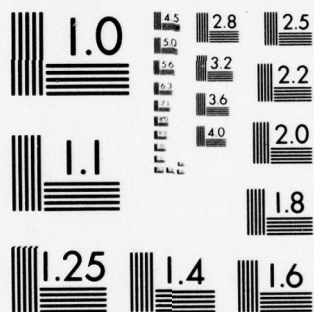
WES-WP-D-78-5

NL

OF
AD
A0816/13

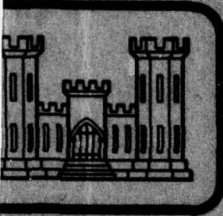


END
DATE
FILMED
3-79
DDC



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

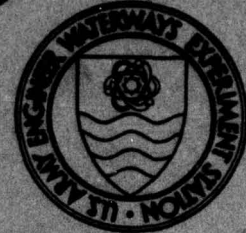
ADA061643



LEVEL

(12)

DREDGED MATERIAL RESEARCH PROGRAM



MISCELLANEOUS PAPER D-78-5

6

A SELECTED BIBLIOGRAPHY OF THE LIFE
REQUIREMENTS OF COLONIAL NESTING
WATERBIRDS AND THEIR RELATIONSHIP
TO DREDGED MATERIAL ISLANDS.

by

10

Mary C/Landin

Environmental Laboratory

U. S. Army Engineer Waterways Experiment Station
P. O. Box 631, Vicksburg, Miss. 39180

12

58p.

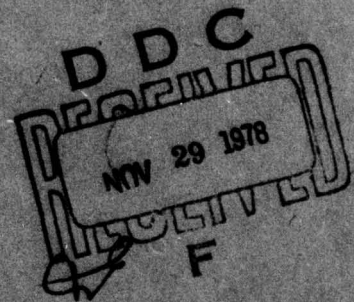
11

Sep 1978

9

Final Report

Approved For Public Release; Distribution Unlimited



DDC FILE COPY

14

WES-MP-D-78-5

Prepared for Office, Chief of Engineers, U. S. Army
Washington, D. C. 20314

Under DMRP Work Unit No. 4F04

JLB

038 100

78 11 27 059



DEPARTMENT OF THE ARMY
WATERWAYS EXPERIMENT STATION, CORPS OF ENGINEERS
P. O. BOX 631
VICKSBURG, MISSISSIPPI 39180

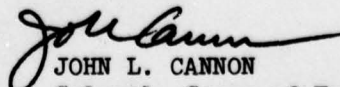
IN REPLY REFER TO: WESEV

31 October 1978

SUBJECT: Transmittal of Miscellaneous Paper D-78-5

TO: All Report Recipients

1. The report transmitted herewith represents the results of one of a series of research efforts (work units) undertaken as part of Task 4F (Island Habitat Development) of the Corps of Engineers' Dredged Material Research Program (DMRP). Task 4F was part of the Habitat Development Project of the DMRP and had as its objective investigating, evaluating, and testing methodologies for habitat creation and management on dredged material islands.
2. Island habitat development has been studied by the DMRP throughout the United States through an evaluation of vegetation succession and animal use of existing dredged material islands. The most significant wildlife aspect of these islands is their use by colonial nesting sea and wading birds (such as gulls, terns, egrets, herons, ibises, and pelicans). This wildlife resource, although generally inadvertently created, presents a significant opportunity for habitat management and development which is consonant with continued dredged material disposal.
3. This report (Work Unit 4F04) presents an extensive bibliography of pertinent research on the life requirements of colonial nesting waterbirds in the United States and their relationship to dredged material islands. Additionally, selected references regarding vegetation and soils on dredged material islands are presented.
4. The bibliography supplements a series of research efforts produced by the DMRP under Task 4F. A national perspective is presented in Technical Report DS-78-18, entitled "Development and Management of Avian Habitat on Dredged Material Islands" (4F03), which synthesizes island habitat research in New Jersey (4F01D), the Great Lakes (4F01A), North Carolina (4F02), Florida (4F01C), Texas (4F01B), the Pacific Northwest (4F01E), and the Upper Mississippi River (4F01F).


JOHN L. CANNON
Colonel, Corps of Engineers
Commander and Director

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER Miscellaneous Paper D-78-5	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) A SELECTED BIBLIOGRAPHY OF THE LIFE REQUIREMENTS OF COLONIAL NESTING WATERBIRDS AND THEIR RELATIONSHIP TO DREDGED MATERIAL ISLANDS		5. TYPE OF REPORT & PERIOD COVERED Final report
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) Mary C. Landin		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS U. S. Army Engineer Waterways Experiment Station Environmental Laboratory P. O. Box 631, Vicksburg, Miss. 39180		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS DMRP Work Unit No. 4F04
11. CONTROLLING OFFICE NAME AND ADDRESS Office, Chief of Engineers, U. S. Army Washington, D. C. 20314		12. REPORT DATE September 1978
		13. NUMBER OF PAGES 52
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <div style="display: flex; justify-content: space-between;"> <div> Birds -- Bibliography Colonial birds -- Bibliography Dredged material -- Bibliography Environmental effects -- Bibliography </div> <div> Islands (landforms) Vegetation -- Bibliography Waterbirds -- Bibliography </div> </div>		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This document presents an extensive bibliography of pertinent research on the life requirements of colonial nesting waterbirds in the United States and their relationship to dredged material. An additional bibliography of 181 references pertaining to the vegetation and soils on dredged material islands and environmental impacts of dredged material deposition on waterbird habitats is also presented. Selected references from Canada, Europe, and Africa that pertain to related waterbirds or those introduced to the United States are also included. (Continued)		

CONT →

DD FORM 1 JAN 73 1473

EDITION OF 1 NOV 65 IS OBSOLETE

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

20. ABSTRACT (Continued).

CONT

→ States are included. This report provides the reader access to little-known sources and gives localized data on waterbird species that are not otherwise readily available. References from years 1844 to 1978 are included. ↑

ACCESSION for	
NTIS	White Section <input checked="" type="checkbox"/>
DDC	Buff Section <input type="checkbox"/>
UNANNOUNCED	
JUSTIFICATION	
BY	
DISTRIBUTION/AVAILABILITY CODES	
Dist.	Special
A	

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

PREFACE

This report was written as part of Task 4F, entitled "Island Habitat Development," of the Habitat Development Project (HDP), Dredged Material Research Program (DMRP), for the Office, Chief of Engineers, at the U. S. Army Engineer Waterways Experiment Station (WES), Vicksburg, Mississippi.

Manager of Task 4F was Ms. Mary C. Landin, who prepared this report. Work progressed under the general supervision of Dr. H. K. Smith, Manager of the HDP, Dr. Roger T. Saucier, Special Assistant for the DMRP, and Dr. John Harrison, Chief, Environmental Laboratory.

Commander and Director of WES during the preparation of this report was Colonel John L. Cannon, CE. Technical Director was Mr. F. R. Brown.

CONTENTS

PREFACE	1
PART I: INTRODUCTION	3
PART II: AVIFAUNAL BIBLIOGRAPHY	8
PART III: VEGETATION, SOILS, AND ENVIRONMENTAL IMPACTS BIBLIOGRAPHY	44
LITERATURE CITED	52

A SELECTED BIBLIOGRAPHY OF THE LIFE REQUIREMENTS OF
COLONIAL NESTING WATERBIRDS AND THEIR RELATIONSHIP
TO DREDGED MATERIAL ISLANDS

PART I: INTRODUCTION

1. Colonial nesting waterbirds are recognized as a unique group of nongame migratory species that have definite and often limiting habitat requirements. Historically, populations of the colonial waterbirds covered in this report numbered in the tens of millions, existing throughout swamps, marshes, lake and river systems, and coastal areas. In south Florida alone, waterbird populations have declined from 2,500,000 in 1870 to 1,500,000 in 1935, 300,000 in 1960, and finally to 150,000 in 1974 (Crowder 1974). Initial population declines resulted primarily from shooting the birds to obtain feathers for the millinery trade. Declines of the past 60 years have been the result of man's destruction of their feeding and nesting habitats. In recent years this decline has been slowed and stabilized somewhat, but some species are still experiencing habitat loss and will continue to do so unless steps are taken to prevent further inroads by man. Adult population levels of these species in the United States are presently estimated at no more than 5,000,000, even though these species are now protected by Federal law.

2. A research effort was undertaken as Task 4F, Island Habitat Development, of the Dredged Material Research Program, sponsored by the Office, Chief of Engineers, and conducted by the U. S. Army Engineer Waterways Experiment Station, to determine the use of dredged material islands by colonial waterbirds. An estimated 2,000,000 of these birds were found to be nesting annually on these islands, and in some regions, waterbirds have been nesting on dredged material islands for as long as 50 years (Anderson 1978, Mills 1934). Several of these species are endangered, threatened, or rare throughout large parts of their ranges. A report has been prepared that synthesizes this research and sets forth guidelines for developing and managing dredged material islands

(Soots and Landin 1978). The reader is referred to that report for detailed habitat requirements and management techniques.

3. This document is a companion report to Soots and Landin (1978). It presents bibliographies of pertinent research on the life requirements of colonial waterbirds in the United States and their relationship to dredged material islands (and man-made sites) in Corps-maintained waterways. Selected references from Canada, Europe, and Africa that pertain to related or U. S.-introduced waterbird species are listed as well.

4. Sources (total of 181) of these references are from the journals, publishers, institutions, agencies, and environmental publications that are listed in Table 1. The compiled references provide the reader with guidance to little-known sources and give localized data on waterbird species that are not otherwise readily available. References from years 1844 to 1978 are included.

Table 1
Sources of Bibliographical References
in the Report

Alabama Birdlife	Country Life in America
American Association for the Advancement of Science	Cranbrook Institute of Science
American Birds	Davenport Public Museum
American Journal of Botany	Delaware Valley Ornithological Club
American Midland Naturalist	Denver Wildlife Research Center
American Ornithologists' Union	Dover Reprint Publishers
Animal Behavior	EBBA News
Auburn University	Duke University
Audubon Field Notes	Ecological Monographs
Audubon Magazine	Ecology
Audubon Research Reports	Everett Community College
Auk	Evolution
Avian Diseases	Flicker
Behavior	Florida Academy of Science
Biological Conservation	Florida Field Naturalist
Bird-Banding	Florida Institute of Oceanography
Bird-Lore	Florida Naturalist
Bird Study	Florida Science
Blue Jay	Florida State Museum
Boston Society of Natural History	Geographic Review
Botanical Society of Edinburgh	Great Lakes Basin Commission
British Birds	Gulf South Research Institute
British Columbia Provincial Museum	Hillsborough Community College
Bureau of Sport Fisheries and Wildlife	Houston Geological Society
California Department of Fish and Game	Ibis
Campbell College	Immerson Science
Canadian Field-Naturalist	Inland Bird-Banding News
Canadian Wildlife Service	Institute of Marine Science
Cassinia	Iowa Bird Life
Central Michigan University	Iowa State University
Chat	International Ornithologists Congress
Chicago Ornithological Society	Jack-Pine Warbler
Coastal Zone Management Journal	J. Elisha Mitchell Scientific Society
Coastal Zone Resources Corporation	Kingbird
College of William and Mary	Linnaean Society
Colonial Waterbird Group	Loon
Colorado-Wyoming Academy of Science	Louisiana Conservation
Condor	Louisiana State University
Cornell University	Luther College
	Massachusetts Audubon Newsletter
	Memoir

(Continued)

Table 1 (Continued)

Michigan State University	Miami Geological Society
Migrant	St. Louis Webster Grove Nature
Minnesota Academy of Sciences	Study Society
National Aeronautics and Space	Science
Administration	Seattle Audubon Society
National Audubon Society	Smithsonian Institution
National Forest and Wildlife	Southeastern Game and Fish Com-
Laboratory	mission Conferences
National Park Service	Southern Weed Scientific Society
National Technical Information	Southwest Naturalist
Service	Stanford University
Nature	Tennessee Academy of Science
New College	Texas A&I University
New Jersey Audubon	Texas A&M University
New Jersey Birds	Texas Annual Fish-Eating Bird
New Jersey Department of Natural	Surveys
Resources	Texas Department of Highway and
New Jersey Nature News	Public Transportation
New Jersey Outdoors	Texas Department of Parks and
New Jersey State Museum	Wildlife
North American Wildlife and Natural	Texas Ornithological Society
Resources Conferences	Texas Resource Foundation
North Carolina Sea Grant Program	The Coastal Society
North Carolina State University	The Marine Newsletter
North Carolina Wildlife	The Wildlife Society
North Carolina Wildlife Resource	The Veliger
Commission	Tortugas Laboratory
Northwest Science	University of Florida
Nuttall Ornithological Club	University of Maryland
Ohio State University	University of Miami
Okamakierie	University of Michigan Zoology
Oologist	Museum
Oregon Institute of Marine Biology	University of Minnesota
Oregon State University	University of North Carolina
Oriole	University of Oregon
Ornis Fennica	University of Southern Florida
Ornis Scandinavia	University of Tennessee
Ornithologist and Oologist	University of Texas
Ostrich	University of Utah
Passenger Pigeon	University of Washington
Patuxent Wildlife Research Center	University of Wisconsin
Philadelphia Academy of Science	Upper Mississippi River Conserva-
Popular Science	tion Committee
Princeton University	Urner Ornithological Club
Raven	U. S. Air Force Office of Scien-
Rutgers University	tific Research

(Continued)

Table 1 (Concluded)

U. S. Army Engineer District, Detroit	U. S. Environmental Science Service Administration
U. S. Army Engineer District, Galveston	U. S. Fish and Wildlife Service
U. S. Army Engineer District, Philadelphia	U. S. Forest Service Annual Non- Game Symposiums
U. S. Army Engineer District, St. Louis	U. S. National Marine Fisheries Service
U. S. Army Engineer District, St. Paul	Washington Department of Ecology
U. S. Army Engineer District, Seattle	Washington Wildlife
U. S. Army Engineer District, Wilmington	Webster Birds
U. S. Army Engineer North Central Division, Chicago	Western Birds
U. S. Army Engineer Waterways Experiment Station	Wilson Bulletin
U. S. Department of Agriculture	Wisconsin Department of Natural Resources
	Wisconsin National History Society
	Wisconsin Society for Ornithology

PART II: AVIFAUNAL BIBLIOGRAPHY

- Adams, A. M., J. Bunn, B. S. Davis, A. L. Jones, and L. W. Odne. 1973. A study of the Pig's Eye Lake Heron colonies. Loon:32-45.
- Adams, B., and J. Miller. 1975. The Absecon Bay Heron colony. EBBA News 38(3):103-108.
- Alexander, H. E. 1963. Fish and wildlife vs water management - some basic considerations. Pages 41-47 in Proc. 17th Southeastern Game and Fish Com. Conf.
- Allen, R. P. 1935a. Notes on the roseate spoonbill on the Gulf Coast. Auk 52:77-78.
- Allen, R. P. 1935b. Notes on some bird colonies on the Gulf Coast. Auk 52:198-199.
- Allen, R. P. 1938. Black-crowned night heron colonies on Long Island. Proc. Linnaean Soc. New York 49:43-53.
- Allen, R. P. 1942. The roseate spoonbill. Natl. Audubon Soc. Res. Rep. No. 2. 142 pp.
- Allen, R. P. 1952. Bird colonies along the Texas coast. Audubon Mag. 54:254-259.
- Allen, R. P. 1954. The reddish egret: bird of colors and contrasts. Audubon Mag. 56:252-255.
- Allen, R. P. 1954-55. The reddish egret. Audubon Mag. 56(6):252-255; 57(1):24-27.
- Allen, R. P. 1955. The white ibis situation in Louisiana. La. Conservation 7:17-19.
- Allen, R. P. 1956. The Flamingos: their life history and survival. Natl. Audubon Soc. Res. Rep. No. 5.
- Allen, R. P. 1957. An urgent appeal for information on the wading birds. Audubon Field Notes 11:458-460.
- Allen, R. P., and F. P. Mangels. 1940. Studies of the nesting behavior of black-crowned night heron. Proc. Linnaean Soc. New York, 51:1-28.
- Allen, T. T. 1961. Notes on the breeding behavior of the anhinga. Wilson Bull. 73(2):115-125.
- American Ornithologists' Union. 1957. Check-list of North American birds. Fifth ed. American Ornithologists' Union, Baltimore, Md.
- American Ornithologists' Union. 1973. Thirty-second supplement to the American Ornithologists' Union check-list of North American birds. Auk 90:887.
- Anderson, D. W., and F. Hamerstrom. 1967. The recent status of Wisconsin cormorants. Passenger Pigeon 29:3-15.

- Anderson, D. W., and J. J. Hickey. 1970. Oological data on egg and breeding characteristics of brown pelicans. *Wilson Bull.* 82:14-28.
- Anderson, D. W., J. J. Hickey, R. W. Risebrough, D. F. Hughes, and R. E. Christensen. 1969. Significance of chlorinated hydrocarbon residues to breeding pelicans and cormorants. *Canadian Field-Naturalist* 83:91-112.
- Anderson, J. M. 1978. Protection and management of wading birds. *Nat. Audubon Soc. Res. Rep. No.* 7:99-103.
- Anderson, R., and P. Bauer. 1968. A guide to finding birds in the St. Louis area. St. Louis Webster Grove Nature Study Society.
- Anonymous. 1959. The common egret--an endangered species. *New Jersey Nature News* 14:15-16.
- Atkins, S. B., R. G. Pscion, D. M. DuMond, and S. W. Leonard. 1977. Fortieth breeding bird census. *American Birds* 31:62, 68, 74-74.
- Audubon, J. J. 1844. *Birds of America*, Vol VI. Dover Publ. Reprint, New York. 457 pp.
- Audubon, J. J. 1844. *Birds of America*, Vol VII. Dover Publ. Reprint, New York. 360 pp.
- Austin, O. L. 1947. A study of the mating of the common tern (*Sterna hirundo*). *Bird-Banding* 18:1-16.
- Austin, O. L. 1949. Site tenacity, a behavior trait of the common tern (*Sterna hirundo*, Linn.). *Bird-Banding* (1):1-39.
- Austin, O. L. 1951. Group adherence in the common tern. *Bird-Banding* 22(1):1-10.
- Austin, O. L., Sr. 1953. The migration of the common tern (*Sterna hirundo*) in the western hemisphere. *Bird-Banding* 24(2):39-54.
- Baillie, J. L., Jr. 1947. The double-crested cormorant nesting in Ontario. *Canadian Field-Naturalist* 61:119-126.
- Baird, S. F., T. M. Brewer, R. Ridgeway. 1884. *The waterbirds of North America*. 2 Vols. Little, Brown, and Co., Boston. 1089 pp.
- Baker, M. C. 1974. Foraging behavior of black-bellied plovers (*Pluvialis squatarola*). *Ecology* 55:162-167.
- Baker, R. H. 1940. Crow depredation on heron nesting colonies. *Wilson Bull.* 52:124-125.
- Bancroft, G. 1969. A great white heron in great blue nesting colony. *Auk* 86:141-142.
- Bancroft, G. 1971. Northern breeding record for reddish egret. *Auk* 88:429.
- Barbour, D. B., S. A. Nesbitt, and D. T. Gilbert. 1976. A second recent royal tern nesting colony on the Gulf Coast of Florida. *Florida Field Naturalist*:9-10.

- Bargar, N. R., R. H. Lourd, and S. D. Robbins. 1960. Wisconsin birds: a checklist with migration charts, 3rd ed. Wis. Soc. for Ornith. Loganville, Wis.
- Barnes, D. 1971. Anatomy of a spoil island. M.S. thesis. Texas A&I University.
- Bayer, R. D. 1978. Aspects of an Oregon estuarine great blue heron population. Natl. Audubon Soc. Res. Rep. No. 7.
- Baynard, O. E. 1913. Home life of the glossy ibis (Plegadis autumnolis). Wilson Bull. 25:103-117.
- Beaman, B. 1973. Community structure and vegetational zones on spoil islands in Sarasota Bay and Charlotte Harbor, Fla. New College, Sarasota.
- Beckett, T. A., III. 1965. Drum Island heron colony. Chat 29:43-46.
- Beecher, W. J. 1942. Nesting birds and the vegetation substrate. Chicago Ornith. Soc., Chicago, Ill. 69 pp.
- Belknap, H. W. 1957. Observations on the white-faced ibis (Plegadis chihi), in Louisiana. M.S. thesis. Louisiana State University.
- Belknap, J. 1961. Little Galloo Island revisited. Kingbird 2:90.
- Benning, W. E. 1969. Survey of great blue heronries, 1964-1968. Kingbird 19:85-90.
- Bent, A. C. 1904. Nesting habits of herondiones in Florida. Auk 21: 20-29, 259-270.
- Bent, A. C. 1921. Life histories of North American gulls and terns. Dover Publications, Inc. New York.
- Bent, A. C. 1926. Life histories of North American marsh birds. Dover Publications, Inc. New York.
- Bergman, R. D., P. Swain, and M. W. Weller. 1970. A comparative study of nesting Forster's and black terns. Wilson Bull. 82:435-444.
- Bjorklund, R. G. 1975. On the death of a midwestern heronry. Wilson Bull. 87:284-287.
- Black, Irving H. 1970. Past and present status of the birds of the lower Hackensack River marshes. New Jersey Nature News 25(2):57-70.
- Blake, C. H. 1961. Notes on the history of the cattle egret in the New World. Chat 25:24, 126.
- Blaker, D. 1969a. The behavior of the cattle egret. Ostrich 40:70-129.
- Blaker, D. 1969b. Behavior of the cattle egret (Ardeola ibis). Ostrich 40:75-129.
- Blokpoel, H. 1977. Gulls and terns nesting in northern Lake Ontario and the upper St. Lawrence River. Can. Wildl. Ser. Prog. Rep.

- Bock, C. E., and L. W. Leptien. 1976. Population growth in the cattle egret. *Auk* 93(1):164-166.
- Boeker, E. L. 1972. A survey of white pelican nesting colonies in 1971. *American Birds* 26:24,126.
- Bongiorno, S. F. 1967. Substrate and the distribution of laughing gull (*Larus atricilla*) nests. Ph. D. dissertation. Rutgers - The State University (Libr. Cong. Card No. Mic. 67-14, 697). 130 pp. University Microfilms, Ann Arbor, Mich. (Diss. Abstr. 28:2181).
- Bongiorno, S. F. 1968. Egg puncturing behavior in laughing gulls. *Auk* 85(4):697-699.
- Bongiorno, S. F. 1970. Nest site selection by adult laughing gulls (*Larus atricilla*). *Anim. Behav.* 18(3):434-444.
- Bongiorno, S. F., and J. Swinebroad. 1969. Increase in herring gull colony in Cape May, New Jersey. *Wilson Bull.* 81(1):99-100.
- Browder, J. A. 1973a. Long-distance movements of cattle egrets. *Bird-Banding* 44:158-170.
- Browder, J. A. 1973b. Studies on feeding ecology and morphological variation of the cattle egret *Bubulcus ibis* (Linnaeus) (Aves:Ardeidae). M.S. thesis. University of Miami.
- Browder, J. Arrington. 1976. Water, wetlands, and wood stocks in south-west Florida. Ph. D. dissertation. The University of Florida, Gainesville (Libr. Congr. Card No. Mic. 77-8150). 417 pp. University Microfilms, Ann Arbor, Mich. (Diss. Abstr. 37(10):4851).
- Browder, J. A. 1978. A modeling study of water, wetlands, and wood storks. *Natl. Audubon Soc. Res. Rep. No. 7.*
- Buck, W., and J. Terborgh. 1957. Breeding of the glossy ibis in Virginia. *Bird-Banding* 28:98.
- Buckley, F. G., and P. A. Buckley. 1972. The breeding ecology of royal tern *Sterna (Thalasseus) maxima maxima*. *Ibis* 114:334-359.
- Buckley, F. G., and C. A. McCaffrey. 1978. Use of dredged material islands by colonial seabirds and wading birds in New Jersey. U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report D-78-1.
- Buckley, P. A., and F. G. Buckley. 1975. The significance of dredge spoil islands to colonially nesting waterbirds in certain national parks. Pages 34-45 in Parnell, J. F., and R. F. Soots, Jr., eds. *Proceedings of a conference on management of dredge islands in North Carolina estuaries.* N. C. Sea Grant Publ. UNC-SG-75-01.
- Buckley, P. A., and F. G. Buckley. 1976. Guidelines for the protection and management of colonially nesting waterbirds. North Atlantic National Park Service, Regional Office. Boston, Mass.

- Buckley, P. A., and F. G. Buckley. 1977. Hexagonal packing of royal tern nests. *Auk* 94(1):36-43.
- Buckley, P. A., F. G. Buckley, and M. Gochfeld. 1975. Gull-billed tern: New York State's newest breeding species. *Kingbird* 25(4): 179-183.
- Buckley, P. A., R. O. Paxton, and D. A. Cutler. 1976. Hudson-Delaware Region. *American Birds* 30(5):932-938.
- Burger, J. 1972. The use of a fish-eye lens to study nest placement in Franklin's gulls. *Ecology* 53(2):362-363.
- Burger, J. 1974. Breeding adaptations of Franklin's gulls to a marsh habitat. *Anim. Behav.* 22:521-567.
- Burger, J. 1976. Daily and seasonal activity patterns in breeding laughing gulls. *Auk* 93(2):308-323.
- Burger, J. 1977a. The pattern and mechanism of nesting in mixed species heronries. *Wading birds. Natl. Audubon Soc. Res. Rep. No. 7.*
- Burger, J. 1977b. The role of visibility in nesting behavior of gulls. *Journal of Comparative Psychology and Physiology.* In press.
- Burger, J. 1977c. Factors determining colony and nest site selection in white-faced and glossy ibises (Plegadis). *Auk.* In press.
- Burger, J. 1977d. Nesting behavior of herring gulls: Invasion into Spartina salt marsh areas of New Jersey. *Condor* 79(2):162-169.
- Burger, J. 1978. The pattern and mechanism of nesting in mixed-species heronries. *Natl. Audubon Soc. Res. Rep. No. 7.*
- Burger, J., and C. G. Beer. 1975. Territoriality in the laughing gull (L. atricilla). *Behavior* 55(3-4):301-320.
- Burger, J., and D. Caldwell Hahn. 1977. Crow predation on black-crowned night heron eggs. *Wilson Bull.* 89(2):350-351.
- Burger, J., and F. Lesser. 1976. Colony and nest site selection in 29 common tern colonies. M.S. thesis. Rutgers University.
- Burger, J., and F. Lesser. 1977. Determinants of colony site selection in common terns. In *Proc. 2nd Colonial Waterbird Conf.* DeKalb, Ill.
- Burger, J., and L. M. Miller. 1977. Colony and nest site selection in white-faced and glossy ibises. *Auk* 94(4):664-676.
- Burger, J., and J. Shisler. 1977. The effects of ditching a salt marsh or colony and nest site selection in herring gulls (Larus argentatus). *American Midland Naturalist.* In press.
- Burns, F. L. 1929. The vanished glory of Great Egg Harbor Bay Region, New Jersey. *Oologist* 46:33-39.
- Burton, J. F. 1956. Report on the national census of heronries in 1954. *Bird Study* 3:42-73.

- Byrd, M. A. 1978. Dispersal and movements of six North American Ciconiiforms. Natl. Audubon Soc. Res. Rep. No. 7.
- Cameron, E. S. 1906. Nesting of the great blue heron in Montana. Auk 23:252-261.
- Campbell, R. W. 1977. Use of man-made structures as nest sites by pigeon guillemots. Canadian Field-Naturalist 91(2):193-194.
- Carlson, P. R. 1972. Patterns of succession on spoil islands; summary report. New College, Sarasota, Fla.
- Carroll, J. J. 1927. Down Bird Island Way. Wilson Bull. 34:194-207.
- Carroll, J. J. 1930. Breeding of the American white pelican on the Texas coast. Condor 32:202-204.
- Chamberlin, M. L. 1975. Breeding ecology of herring gulls on an island in northern Lake Huron. M.S. thesis. Central Michigan Univ.
- Chaney, A. H., B. R. Chapman, J. P. Karges, D. A. Nelson, R. R. Schmidt, and L. C. Thebeau. 1978. Use of dredged material islands by colonial seabirds and wading birds in Texas. U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report D-78-8.
- Chapman, F. M. 1939. Handbook of birds of eastern North America. Dover Publications, Inc., New York.
- Chase, V. H. 1906. Bird's nests. #2: green heron. Wilson Bull. 25:17-19.
- Christy, B. H. 1928. A wading-bird rookery. Auk 45:423-429.
- Coastal Zone Resources Corporation. 1977. A comprehensive study of successional patterns of plants and animals at upland disposal areas. U. S. Army Engineer Waterways Experiment Station. Contract Report D-77-2. Vicksburg, Miss. 395 pp.
- Collins, H. W. 1970. The black-crowned night heron as a predator of tern chicks. Auk 87(3):584-586.
- Coolidge, H. W. 1972. Avocets and stilts at Savannah, Georgia. Oriole June 1972:13-14.
- Cottom, G., and J. T. Curtis. 1956. The use of distance measures in phytosociological sampling. Ecology 37(3):451-460.
- Cottrille, W. P., and B. D. Cottrille. 1958. Great blue heron: behavior at the nest. Misc. Publ. Mus. Zool., Univ. Mich. 102:1-15.
- Coulson, J. C. 1968. Differences in the quality of bird nesting in the centre and on the edges of a colony. Nature 217(5127):478-479.
- Coulter, M. C. 1975. Post-breeding movements and mortality in the western gull, Larus occidentalis. Condor 77(3):243-249.
- Croib, C. L. 1974. Nesting habitats of waterbirds. Okmakierie 26(2):32-35.

- Crosby, G. T. 1972. Spread of the cattle egret in the western hemisphere. *Bird-Banding* 43:205-212.
- Crowder, J. P. 1974. Some perspectives on the status of aquatic wading birds in South Florida. U. S. Dept. of the Interior, Bureau of Sport Fisheries and Wildlife.
- Curry-Lindahl, K. 1978. Conservation and management problems of wading birds and their habitats: a global overview. *Natl. Audubon Soc. Res. Rep. No. 7*.
- Custer, T. W., and R. G. Osborn. 1977. Wading birds as biological indicators: 1975 colony survey. Special Scientific Wildlife Report No. 206. U. S. Fish and Wildlife Service, Washington, D. C.
- Custer, T. W., and R. G. Osborn. 1978. Feeding-sites description of three heron species near Beaufort, N. C. *Natl. Audubon Soc. Res. Rep. No. 7*.
- Custer, T. W., R. G. Osborn, and L. J. Blus. 1975. Wading Birds of the Atlantic Coast: 1975. Unpublished draft report. Patuxent Wildlife Res. Center, U. S. Fish and Wildlife Service, Laurel, Md.
- Cuthbert, N. L. 1954. A nesting study of the black tern in Michigan. *Auk* 71:36-63.
- Cutts, E. 1959. The Drum Island heron colony. *Chat* 23:86-87.
- Davies, J. 1976. Age, egg-size and breeding success in the herring gull. *Ibis* 117:460-473.
- Davis, D. E. 1960. The spread of the cattle egret in the United States. *Auk* 77(4):421-424.
- Davis, M. E. 1974. Experiments on the nesting behavior of the least tern. *Proc. Linnaean Soc. New York*. No. 72:25-43.
- Dinsmore, J. J., and R. W. Schreiber. 1974. Breeding and annual cycle of laughing gulls in Tampa Bay, Florida. *Wilson Bull.* 86:419-429.
- Dow, D. D., and M. A. Dow. 1964. Mass mortality of gulls at Rondeau Park, Lake Erie. *Canadian Field-Naturalist* 78(1):62.
- Downing, R. L. 1973. A preliminary nesting survey of least terns and black skimmers in the east. *American Birds* 27(6):946-949.
- Downing, R. L. 1975. Status of the interior least tern (Sterna albifrons) (althalassos) and its nesting habitat during 1975. Unpublished. 7 pp.
- Drent, G. F., V. Tets, F. Tompa, and K. Vermeer. 1964. The breeding birds of Mandarte Island, British Columbia, *Canadian Field-Naturalist* 78:208-263.
- Drury, W. H., Jr. 1965. Gulls vs. terns. *Massachusetts Audubon Newsletter*. Summer, 1965. 5 pp.

- Drury, W. H. 1974. Population changes in New England seabirds. *Bird-Banding* 45:1-15.
- Drury, W. H., and J. A. Kadlec. 1974. The current status of the herring gull population in the northeastern United States. *Bird-Banding* 45:297-306.
- Dunn, E. K. 1975. The role of environmental factors in the growth of tern chicks. *J. Anim. Ecol.* 44:743-754.
- Dunstan, F. M. 1976. Roseate spoonbill nesting in Tampa Bay, Florida. *Florida Field Naturalist* 4:25-27.
- Dunstan, F. M., and R. R. Lewis III. 1974. Avian utilization and plant succession on dredged material islands in Tampa Bay, Florida. Contract report submitted to Coastal Zone Resources Corporation.
- Dunstan, F. M., R. W. Schreiber, and J. J. Dinsmore. 1975. Caspian tern nesting in Florida, 1973 and 1974. *Florida Field Naturalist* 3:16-17.
- DuPue, J. 1974. Nesting and reproduction of the black skimmer (*Rynchops niger niger* (Linnaeus) on four spoil islands in the Laguna Madre. M.S. thesis. Texas A&I University.
- Dusi, J. L. 1963. Mortality of the little blue heron. *Alabama Birdlife* 11:39-42.
- Dusi, J. L. 1966. The identification characters of nests, eggs, and nestlings of some herons, ibises, and anhingas. *Alabama Birdlife* 14:2-8.
- Dusi, J. L. 1967. Migration in the little blue heron. *Wilson Bull.* 79(2):223-235.
- Dusi, J. L. 1968. The competition between cattle egrets and little blue herons. *Alabama Birdlife* 16:4-6.
- Dusi, J. L. 1977. Impact of cattle egrets on the reproductive ecology of the little blue heron. In Proc. 2nd Colonial Waterbird Conference. DeKalb, Ill.
- Dusi, J. L., and R. T. Dusi. 1968. Ecological factors contributing to nesting failure in a heron colony. *Wilson Bull.* 80(4):458-466.
- Dusi, J. L., and R. T. Dusi. 1970. Nesting success and mortality of nestlings in a cattle egret colony. *Wilson Bull.* 82(4):458-460.
- Dusi, J. L., R. T. Dusi, D. L. Bateman, C. A. McDonald, J. J. Stuart, and J. F. Dismukes. 1971. Ecological impacts of wading birds on the aquatic environment. *Water Resources Res. Inst. WRRRI Bull.* 5, Auburn University, Auburn, Ala. 117 pp.
- Edford, L. H. 1976. Breeding biology of the great blue heron in southwestern Lake Erie. M.S. thesis. Ohio State University.

- Emlen, J. T. 1977. Estimating breeding season bird densities from transect counts. *Auk* 94(3):455-468.
- Emlen, J. T., D. E. Miller, R. M. Evans, and D. H. Thompson. 1966. Predator-induced parental neglect in a ring-billed gull colony. *Auk* 83(4):677-679.
- Engles, W. L. 1942. Vertebrate fauna of North Carolina coastal islands: Ocracoke Island. *American Midland Naturalist* 28:273-304.
- English, S. M. 1978. Distribution and ecology of great blue heron colonies on the Willamette River, Oregon. *Natl. Audubon Soc. Res. Rep.* No. 7.
- Erichsen, W. J. 1921. Notes on the habits of the breeding waterbirds of Chatham County, Georgia. *Wilson Bull.* 33:16-28, 69-82.
- Erwin, R. M. 1975. Comparative foraging and breeding strategies among three seabirds: the royal tern, *Iterna maxima*, the common tern, *Sterna hirundo*, and the black skimmer, *Rynchop niger*. Ph. D. dissertation, University of Maryland (Libr. Cong. Card No. Mic. 76-8385). 122 pp. University Microfilms, Ann Arbor, Mich. (Diss. Abstr. 36(10):4893-B).
- Erwin, R. M. 1977a. Population and colony site dynamics in selected Massachusetts waterbirds. *In* *Proc. Colonial Waterbird Conf.*, DeKalb, Ill.
- Erwin, R. M. 1977b. Foraging and breeding adaptations to different food regimes in three seabirds: the common tern, *Iterna hirundo*, royal tern, *Iterna maxima*, and black skimmer, *Rynchops niger*, *Ecology* 58(2):389-397.
- Faaborg, J. 1967. Observations among the night herons. *Iowa Bird Life* 37:111-122.
- Fables, David, Jr. 1955. Annotated list of New Jersey birds. *Urner Ornithological Club*, Newark. 95 pp.
- Fahey, P. L. 1968. Great blue herons. *Loon* 40:37-40.
- Fawks, E., and P. Peterson, Jr. 1961. A field list of birds of the tri-city region. *Davenport Public Museum*, Davenport, Iowa.
- Finley, W. L. 1906. Herons at home. *Condor* 8:35-39.
- Fisk, E. J. 1974. Atlantic coast least tern survey, 1974. Unpublished report.
- Fisk, E. J. 1975. Least tern: beleagured, opportunistic and roof-nesting. *American Birds* 29(1):15-16.
- Forster, J. A. 1975. Electric fencing to protect sandwich terns against foxes. *Biol. Conserv.* 7(2):85.
- Fowler, R. S. 1958. Cattle egret nesting in New Jersey. *Cassinia* 43:3-5.
- Frohling, R. C. 1965. American oystercatcher and black skimmer nesting on salt marsh. *Wilson Bull.* 77(2):193-194.

- Frohling, R. C. 1966. A social flight of the laughing gulls. *Bird-Banding* 37(4):206-207.
- Fry, V. 1948. Another common tern nest with seven eggs. *Auk* 65(4):604-605.
- Funderburg, J. B. 1956. An ecological study of the summer maritime birds of southeastern North Carolina. M.S. thesis. North Carolina State University. 89 pp.
- Funderburg, J. B., and T. L. Quay. 1959. Summer maritime birds of southeastern North Carolina. *J. Elisha Mitchell Sci. Soc.* 75:13-18.
- Galli, J. 1975. Least tern management program. *New Jersey Birds* 1(7):10.
- Gauthreaux, S. A., Jr., ed. 1974. *Proc. Conf. on the Biological Aspects of the Bird Aircraft Collision Problems*. U. S. Air Force Office of Scientific Research.
- Gemperle, M. E., and F. W. Preston. 1955. Variation of shape in the eggs of the common tern in their clutch sequence. *Auk* 72(2):184-198.
- Gersbacher, E. O. 1939. The heronries at Reelfoot Lake. Report of the Reelfoot Biol. Sta. *J. Tenn. Acad. Sci.* 3:162-180.
- Gersbacher, E. O. 1964. Heronries of Reelfoot Lake--25 years later. *J. Tenn. Acad. Sci.* 39(1):15-16.
- Gilbertson, M., and R. Hale. 1974. Characteristics of the breeding failure of a colony of herring gulls in Lake Ontario. *Canadian Field-Naturalist* 88:356-358.
- Giles, L. W., and D. Marshall. 1954. A large heron and egret colony in the Stillwater Wildlife Management Area, Nevada. *Auk* 71:322-325.
- Giles, R. H., Jr., ed. 1971. *Wildlife management techniques*. Wildlife Techniques Manual Committee, The Wildlife Society. Washington, D. C. 633 pp.
- Gill, R. E., Jr. 1971. South San Francisco Bay breeding bird survey, 1971. Calif. Dep. Fish and Game, Wildl. Branch Admin. Rep. No. 72076.
- Gill, R. E., Jr. 1976. Notes on the foraging of nesting Caspian terns. *Hydropygne caspia* (falls). *California Fish and Game* 62(2):155.
- Gillespie, J. A. 1931. *Rynchops niger*, the black skimmer: some returns and recoveries. *Bird-Banding* 2:52-58.
- Gillett, W. H., J. L. Hayward, Jr., and F. F. Stout. 1975. Effects of human activity on egg and chick mortality in a glaucous-winged gull colony. *Condor* 77(4):292-295.
- Gillham, M. E. 1956. Ecology of Pembrokehire Islands. V: Manuring by the colonial seabirds and mammals, with a note on seed distribution by gulls. *J. Ecol.* 44:429-454.

- Gillham, M. E. 1963. Some interactions of plants, rabbits, and seabirds on South African islands. *J. Ecol.* 51:275-294.
- Girard, G. T. 1976. Reproductive parameters for nine avian species at Moore Creek, Merritt Island National Wildlife Refuge. Tech. Rep. No. 3, National Aeronautics and Space Administration.
- Giraud, J. P., Jr. 1844. *Birds of Long Island*. Wiley and Putnam, New York. 397 pp.
- Gochfeld, M. 1977. Colony and nest site selection by black skimmers on Long Island, New York. *In* Proc. 2nd Colonial Waterbird Conf., DeKalb, Ill.
- Gochfeld, M., and D. B. Ford. 1974. Reproductive success in common tern colonies near Jones Beach, L. I., N. Y., in 1972: a hurricane year. *Proc. Linnaean Soc., New York*. 72:63-76.
- Godfrey, P. J., and M. M. Godfrey. 1976. Barrier Island ecology of Cape Lookout National Seashore and vicinity, North Carolina. National Park Service Scientific Monograph Series No. 9. Superintendent of Documents, Government Printing Office, Washington, D. C. 160 pp.
- Goering, D. K., and R. Cherry. 1971. Nestling mortality in a Texas heronry. *Wilson Bull.* 83:303-305.
- Goodrum, P. D. 1971-1974. Ecology and dynamics colonial nesting wading birds in Texas. Annual Prog. Rep. Wildlife Res. Denver Wildlife Res. Center Work Unit DC1021. Mimeo.
- Gottschock, J. S. 1966. Wetlands, wildlife, and the army engineers. *Audubon Mag.* 68(2):116-118.
- Grant, G. S. 1971. A three year study of the heronry at Alligator Bay, N. C. Chat, March 1971.
- Green, J. C., and R. B. Janssen. 1975. *Minnesota birds: where, when, and how many*. Univ. of Minnesota Press, Minneapolis, Minn.
- Greene, L. L., and H. W. Kale II. 1976. Roof nesting by black skimmers. *Florida Field Naturalist* 4:15-17.
- Gress, F., R. W. Risebrough, D. W. Anderson, L. F. Kiff, and J. R. Jehl, Jr. 1973. Reproductive failures of double-crested cormorants in Southern California and Baja, California. *Wilson Bull.* 85:197-208.
- Griffith, R. E., V. C. Childs, and F. W. Cook. 1946. Roseate spoonbills nesting on Sabine Refuge, Louisiana. *Auk* 63:259-260.
- Grisson, L. 1923. *Birds of the New York City region*. A.M.N.H. Handbook series No. 9, New York. 400 pp.
- Gross, A. O. 1923. The black-crowned night heron (Nycticorax nycticorax) (Naevius) of Sandy Neck. *Auk* 40:1-30.
- Gross, A. O. 1944. The present status of the double-crested cormorant on the coast of Maine. *Auk* 61:513-537.

- Grubb, T. C., Jr. 1976. Adaptiveness of foraging in the cattle egret. *Wilson Bull.* 88(1):145-148.
- Hallman, R. C. 1960. Gull-billed tern (Geochelidon nilotica) nesting in Gulf County, Florida. *Florida Naturalist* 33:224.
- Hallman, R. C. 1961. Common tern (Sterna hirundo) nesting in northwest Florida. *Florida Naturalist* 34:221-222.
- Hallman, R. C. 1968. St. Joe Island Sanctuary. *Florida Naturalist* 41:92.
- Hallman, R. C. 1971. Brown pelican (Pelecanus occidentalis) at St. Joe Island Sanctuary. *Florida Naturalist* 44:122.
- Hanebrink, E. L. 1968. A comparison of three heronries in the Mississippi Valley. *Migrant* 39:49-52.
- Hardy, J. W. 1957. The least tern in the Mississippi Valley. *Publ. Mus. Michigan State Univ. Biol. Ser.* 1:1-60.
- Harlan, J. R. 1943. An Iowa nesting colony of the American egret. *Iowa Bird Life* 13:59-62.
- Harlow, R. C. 1918. Notes on the breeding birds of Pennsylvania and New Jersey. *Auk* 35(1):18-29, 136-147.
- Harrington, Brian A. 1975. Pelagic gulls in winter off southern California. *Condor*. 77(3):346-350.
- Harris, J. T., and S. W. Matteson. 1975a. Gulls and terns nesting at Duluth. *Loon* 47:70-77.
- Harris, J. T., and S. W. Matteson. 1975b. Gulls and terns as indicators of man's impact upon Lake Superior. *Univ. of Wis. Sea Grant*. TR No. 227. 45 pp.
- Hatch, J. J. 1975. Piracy by laughing gulls (larus atricilla): an example of the shellfish group. *Ibis* 117:357-365.
- Hatt, R. T., J. VanTyne, L. Stuart, C. H. Pope, and A. B. Grobman. 1948. Island life: a study of the land vertebrates of Eastern Lake Michigan. *Cranbrook Inst. Sci., Bloomfield Hills, Mich. Bull.* 27. 179 pp.
- Haycock, Karole A., and William Threlfall. 1975. The breeding biology of the herring gull in Newfoundland. *Auk* 92(4):678-697.
- Hays, H., and M. LeCroy. 1971. Field criteria for determining incubation stage in eggs of the common tern. *Wilson Bull.* 83:425-429.
- Hedeon, Stanley. 1967. Feeding behavior of the great blue heron in Itasca State Park, Minn. *Loon* 39(4):116-120.
- Heintzelman, D. S. 1973. A bibliography of New Jersey ornithology (1960-1972). *New Jersey State Museum, Trenton.* 19 pp.
- Henny, C. J. 1972a. An analysis of the population dynamics of selected avian species with special reference to changes during the modern pesticide era. *U. S. Fish and Wildlife Service, Wildlife Research Report* No. 1.

- Henny, C. J. 1972b. An analysis of the population dynamics of selected avian species. U. S. Fish and Wildlife Service, Bureau of Sport Fisheries and Wildlife Res. Rep. 99 pp.
- Henny, C. J., and M. R. Bethers. 1971. Population ecology of the great blue heron with special reference to Western Oregon. Canadian Field-Naturalist 85:205-209.
- Hildebrand, H., and G. Blacklock. 1967. A cooperative census of large fish-eating birds along the Texas coast from Pass Cavallo to Penascal Point, Texas. Annual Fish-Eating Bird Survey. Rep. Mimeo.
- Hildebrand, H. H., and D. King. 1972-73. A preliminary biological study of the Cayo del Oso and the Pita Island Area of the Laguna Madre. Report to Central Power and Light Co., Corpus Christi, Tex. 333 pp.
- Hoffman, R. D. 1978. The diets of herons and egrets on Southwestern Lake Erie. Natl. Audubon Soc. Res. Rep. No. 7.
- Hoffman, R. D., and H. H. Prince. 1975. Vegetative structure and nest distribution in a black-crowned night heronry. Jack-Pine Warbler. 53:95-99.
- Hopkins, M. N., Jr., and P. G. Murton. 1969. Rookery data from south Georgia. Oriole 34:1-11.
- Houston, C. S. Hazards faced by colonial birds. Blue Jay 20:74-77.
- Howe, M. A., R. B. Clapp, and J. S. Weske. 1975. A report on the New York Bight. Bird Section, National Fish and Wildlife Laboratory, Washington, D. C. Unpublished report.
- Howell, A. H. 1932. Florida bird life. Coward-McCann, Inc., New York. 579 pp.
- Hunt, G. L., Jr. 1972. Influence of food distribution and human disturbance on the reproductive success of herring gulls. Ecology 53(6):1051-1061.
- Hunt, G. L., Jr., and M. N. Hunt. 1973a. Habitat partitioning by foraging gulls in Maine and northwestern Europe. Auk 90(4):827-839.
- Hunt, G. L., Jr., and M. N. Hunt. 1973b. Clutch size, hatching success, and eggshell-thinning in western gulls. Condor 75(4):483-486.
- Hunt, G. L., Jr., and M. W. Hunt. 1974. Trophic levels and turnover rates: the avifauna of Santa Barbara Island, Calif. Condor 76:363-369.
- Hunt, G. L., Jr., and M. W. Hunt. 1975. Reproductive ecology of the Western gull: the importance of nest spacing. Auk 92:270-279.
- Hunt, G. L., Jr., and M. W. Hunt. 1976a. Exploitation of fluctuating food resources by western gulls. Auk 93(2):301-307.
- Hunt, G. L., Jr., and M. W. Hunt. 1976b. Gull chick survival: the significance of growth rates, timing of breeding and territory size. Ecology 57:62-75.

- Hunt, G. L., Jr., and M. W. Hunt. 1977. Female-female pairing in western gulls (Larus occidentalis) in southern California. *Science* 196:1466-1467.
- Hunt, G. L., Jr., and S. C. McLoon. 1975. Activity patterns of gull chicks in relation to feeding by parents: their potential significance for density-dependent mortality. *Auk* 92(3):523-527.
- Hunt, R. C., and C. J. Ralph. 1975. Effects of human disturbance on the breeding success of gulls. *Condor* 77(4):495-499.
- Hunter, W. S., and T. L. Quay. 1953. An ecological study of the helminth fauna of McGillivray's seaside sparrow, Amospiza maritima macgillivraii (Audubon). *American Midland Naturalist* 50:407-413.
- Impeken, M. 1976. Response of laughing gull chicks to parental attraction and alarm-calls, and effects of prenatal auditory experience on the responsiveness to such calls. *Behavior* 56(4):250-278.
- Ivanous, M. 1968. Raccoon pilfered a great blue heron's nest. *Loon* 40:133.
- Jacobson, F. L. 1965. A review of the fish and wildlife resources in Ocean County. *New Jersey Nature News* 20(4):156-163.
- Jarvis, W. L., and W. E. Southern. 1976. Food habits of ring-billed gulls breeding in the Great Lakes region. *Wilson Bull.* 88(4):621-631.
- Jenni, D. A. 1969. A study of the ecology of four species of herons during the breeding season at Lake Alice, Alachua County, Florida. *Ecol. Monogr.* 39:245-270.
- Jenni, D. A. 1973. Regional variation in the food of nestling cattle egrets. *Auk* 90:821-826.
- Jernigan, L. S., Jr. 1977. Comparison of least tern (Sterna albifrons antillarum) population size and nesting habitat on barrier and dredge islands in the North Carolina coastal zone. M. S. thesis. North Carolina State University, Raleigh.
- Johnson, D. W. 1956. The annual reproduction cycle of the California gull. *Condor* 58:138-162, 206-221.
- Johnson, R. M. 1977. The breeding ecology of three species of herons at two rookeries in Dodge County, Wisconsin. Wisconsin Department of Natural Resources, Madison. Unpublished manuscript.
- Jyrkkanen, J. A. 1975. Glaucous-winged gull predation on feral rock doves. *Canadian Field-Naturalist* 78(1):77-78.
- Kadlec, J. A. 1976. A re-evaluation of mortality rates in adult herring gulls. *Bird-Banding* 47:8-12.
- Kadlec, J. A., and W. H. Drury. 1968. Structure of the New England herring gull population. *Ecology* 49(4):644-676.
- Kahl, M. P., Jr. 1973. Mortality of common egrets and other herons. *Auk* 80:295-300.

- Kahl, M. P. Jr. 1974. Food ecology of the wood stork (Mycteria americana) in Florida. Ecol. Monogr. 34:97-117.
- Kale, H. W., II. 1967. Recoveries of black skimmers banded on Little Egg Island, Ga. Oriole 32(2):13-16.
- Kale, H. W., II, G. W. Sciple, and I. R. Tomkins. 1965. Royal tern colony of Little Egg Island, Ga. Bird-Banding 36(1):21-27.
- Kane, R. 1974. Birds of the Hakensack meadows 1970-1973. New Jersey Nature News 29(2):83-88.
- Kane, R., and R. B. Farrar. 1976. 1976 Coastal Colonial Bird Survey of New Jersey. Occasional paper No. 125. New Jersey Audubon 2(11):8014.
- Keeler, J. E. 1956. White ibis--a new breeding bird in Alabama. Alabama Bird Life 4:16-19.
- Kerns, J. M., and J. F. Howe. 1967. Factors determining great blue heron rookery movement. J. Minn. Acad. Sciences 34:80-83.
- Kine, F. H. 1949. The American egret in Wisconsin. Passenger Pigeon 11:3-17.
- King, Kirke A. 1978. Colonial wading bird survey and census techniques. Natl. Audubon Soc. Res. Rep. No. 7.
- King, K. A., D. R. Blankenship, R. T. Paul, and R. C. A. Rice. 1977. Ticks as a factor in the 1975 nesting failure of Texas brown pelicans. Wilson Bull. 89(1): 157-158.
- King, K. A., E. L. Flickinger, and H. H. Hildebrand. 1977. The decline of brown pelicans on the Louisiana and Texas Gulf Coast. Southwest Naturalist 21:417-431.
- Kirkpatrick, C. M. 1940. Some foods of young great blue herons. American Midland Naturalist 24:594-601.
- Kleen, V. M. 1974. Middlewestern prairie region. American Birds 28:908-910.
- Kleen, V. M. 1975. Middlewestern prairie region. American Birds 29:858-862.
- Kleen, V. M. and L. Bush. 1971. Middlewestern prairie region. American Birds 25:862-865.
- Kleen, V. M. and L. Bush. 1972. Middlewestern prairie region. American Birds 26:864-867.
- Kleen, V. M. and L. Bush. 1973. Middlewestern prairie region. American Birds 27:777-780.
- Konerman, A. D., L. D. Wing, and J. J. Richard. 1978. Great blue heron nesting success in two Iowa Reservoir ecosystems. Natl. Audubon Soc. Res. Rep. No. 7.

- Kotter, B. L. 1970. An ecological natural history of the white-faced ibis (Plegadis chihi) in northern Utah. M. S. thesis. University of Utah, Salt Lake City. 126 pp.
- Kramer, E. 1948. Oystercatcher breeding in New Jersey. *Auk* 65:460.
- Krebs, J. R. 1974. Colonial nesting and social feeding as strategies for exploiting food resources in the great blue heron (Ardea herodias). *Behavior* 51:99-134.
- Krebs, J. R. 1978. Colonial nesting in birds, with special reference to the Ciconiiformes. *Natl. Audubon Soc. Res. Rep. No. 7*.
- Kruuk, H. 1976. The biological function of gull's attraction towards predators. *Anim. Behav.* 24(1):146-153.
- Kumlien, L., and N. Hollister. 1903. The birds of Wisconsin. *Bull. Wis. Nat. Hist. Soc.* 2:1-143.
- Kury, C. R., and M. Gochfeld. 1975. Human interference and gull predation in cormorant colonies. *Biol. Conserv.* 8:23-24.
- Kushlan, J. A. 1976a. Feeding behavior of North American herons. *Auk* 93(1):86-93.
- Kushlan, J. A. 1976b. Site selection for nesting colonies by the American White ibis (Eudocimus albus) in Florida. *Ibis* 118:590-593.
- Kushlan, J. A. 1977a. Population energetics of the American white ibis. *Auk* 94:114-122.
- Kushlan, J. A. 1977b. Growth energetics of the white ibis. *Condor* 79:31-36.
- Kushlan, J. A. 1977c. The significance of plumage color in the formation of feeding aggregations of Ciconiiforms. *Ibis* 119:361-364.
- Kushlan, J. A. 1978. Feeding ecology of wading birds. *Natl. Audubon Soc. Res. Rep. No. 7*.
- Kushlan, J. A., J. C. Ogden, and A. L. Higer. 1975. Relation of water level and fish availability to wood stork reproduction in the southern everglades, Fla. *USGS Open File Rep.* 75-434. 56 pp.
- Kushlan, J. A., and J. L. Schortemeyer. 1974. Glossy ibis nesting in southern Florida. *Florida Field Naturalist.* 2:13-14.
- Landin, M. C. 1978a. Wading birds and wetlands management. *In Proc. 3rd Annual Non-game Symposium, January 1978. Atlanta, Ga. In press.*
- Landin, M. C. 1978b. National perspective of colonial waterbirds nesting on dredged material islands. *In Proc. 43rd North American Wildlife and Natural Resources Conference, March 1978. Phoenix, Ariz. In press.*
- Landin, M. C., and R. F. Soots. 1977. Colonial bird use of dredged material islands: a national perspective. *Proc. Colonial Waterbird Group Conference, October 1978. DeKalb, Ill.*

- Landsborough-Thompson, A. 1964. A new dictionary of birds. Nelson Printers, London. 928 pp.
- Langham, N. P. E. 1974. Comparative breeding biology of the Sandwich tern. *Auk* 91:255-277.
- Larrison, E. J. 1920. Washington mammals. Seattle Audubon Society, Seattle, Washington.
- Laurent, P. 1892. Birds of five-mile beach. *Ornithologist and Oologist* 17(3):43-44, 53-54, 88-90.
- LeCroy, M., and C. T. Collins. 1972. Growth and survival of roseate and common tern chicks. *Auk* 89:595-611.
- LeCroy, M., and S. LeCroy. 1974. Growth and fledging in the common tern. *Bird-Banding* 45:226-340.
- Lewis, J. F. 1929. The natural history of the double-crested cormorant [*Phalacrocorax auritus auritus* (Lesson)]. Ru-Mi-Lou Books. Ottawa.
- Lewis, R. R. 1977. Impact of dredging in the Tampa Bay estuary, 1876-1976. Pages 31-55 in E. L. Pruitt, ed. *Proceedings of the Second Annual Conference of the Coastal Society: Time-stressed coastal environments: Assessment and future action*. The Coastal Society, Arlington, Virginia. 290 pp.
- Lewis, R. R., and F. M. Dunstan. 1974a. Spoil islands and natural islands in the Tampa Bay estuary. *Florida Science* 37:7.
- Lewis, R. R., and F. M. Dunstan. 1974b. Use of spoil islands in reestablishing mangrove communities in Tampa Bay, Fla. In *Proc. Intl. Symp. Biol. Manage. Mangroves*. Honolulu, Hawaii.
- Lewis, R. R., Jr., and C. S. Lewis. 1978. Colonial bird use and plant succession of dredged material islands in Florida, Vol. II: Patterns of plant succession. U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report D-78-14.
- Lies, M. F., and W. H. Behle. 1966. Status of the white pelican in the United States and Canada through 1964. *Condor* 68:279-292.
- Lincoln, F. C. 1926. Banding gulls and terns in Lake Michigan, 1924 and 1925. *Wilson Bull.* 36:38-41.
- Locke, L. N. 1961. Heron and egret losses due to verminous peritonitis. *Avian Diseases* 5:135-138.
- Loftin, R. W. 1973. Another inland colony of the least tern. *Florida Field Naturalist* 1:37.
- Loftin, R. W., and S. Sutton. 1975. Sandwich tern breeds on the Atlantic Coast of Florida. *Florida Field Naturalist* 3:18.
- Loftin, R. W., and R. Sallas. 1977. Laughing gull breeds in northeast Florida. *Florida Field Naturalist*. In press.

- Lohrer, F. E., and C. E. Lohrer. 1973. Inland nesting of the least tern in Highlands County, Florida. *Florida Field Naturalist* 1:3-5.
- Longley, W. H. 1960. Comment on the flight distance of the great blue heron. *Wilson Bull.* 72:289.
- Ludwig, J. P. 1962. A survey of the gull and tern populations of lakes Huron, Michigan, and Superior. *Jack-Pine Warbler* 40:194-219.
- Ludwig, J. P. 1963. Return of herring gulls to natal colony. *Bird-Banding* 34(2):68-72.
- Ludwig, J. P. 1965. Biology and structure of the Caspian tern population of the Great Lakes from 1896-1964. *Bird-Banding* 36(4):217-233.
- Ludwig, J. P. 1966. Herring and ring-billed gull populations of the Great Lakes 1960-1965. Univ. of Michigan, Great Lakes Research Division, Pub. No. 15:80-89.
- Ludwig, J. P. 1968. Dynamics of ring-billed gull Caspian tern populations of the Great Lakes. Ph.D dissertation. University of Michigan (Libr. Cong. Card No. Mic. 69-2347. 82 pp. University Microfilms, Ann Arbor, Mich. (Diss. Abstr. 29:3545-B).
- Ludwig, J. P. 1974. Recent changes in the ring-billed gull population and biology in the Laurentian Great Lakes. *Auk* 91:575-594.
- Ludwig, J. P., and C. S. Tomoff. 1966. Reproductive success and insecticide residues in Lake Michigan herring gulls. *Jack-Pine Warbler* 44:77-85.
- Lynch, J. F., and N. K. Johnson. 1974. Turnover and equilibria in insular avifauna. *Condor* 76:370-385.
- Lyon, W. I. 1927. Bird banding in 1927 on Lakes Michigan and Huron. *Wilson Bull.* 39:178-184.
- MacArthur, R. H. and E. O. Wilson. 1967. The theory of island biogeography. Princeton Univ. Press, N. J.
- MacFarland, A. E. 1972. Roof-nesting by common terns. *Wilson Bull.* 89(3):475-476.
- Manuwal, D. A., and R. W. Campbell. 1978. Status and distribution of breeding seabirds of southeastern Alaska, British Columbia, and Washington. In press.
- Mark, D. M. 1976. An inventory of great blue heron (Ardea herodias) nesting colonies in British Columbia. *Northwest Science* 50:32-41.
- Martin, A. C., H. S. Zim, and A. L. Nelson. 1951. American wildlife plants: A guide to wildlife food habits. Dover Publ. Reprint, New York. 500 pp.
- Massey, B. W. 1974. Breeding biology of the California least tern. *Proc. Linnaean Soc. New York* 72:1-24.

- Maxwell, G. R., and H. W. Kale II. 1974. Population estimate of breeding birds on a spoil island in the Indian River, Indian River County, Florida. *Florida Field Naturalist* 2:32-39.
- Maxwell, G. R., and H. W. Kale II. 1977. Breeding biology of five species of herons in coastal Florida. *Auk* 94(4):689-700.
- Mayfield, J. 1948. Middlewestern prairie region. *Audubon Field Notes* 2:207-208.
- McAloney, K. 1973. The breeding biology of the great blue heron on Tobacco Island, Nova Scotia. *Canadian Field Naturalist* 87:137-140.
- McColl, J. G., and J. Burger. 1976. Chemical inputs by a colony of Franklin gulls nesting in cattails. *American Midland Naturalist* 96:270-280.
- McCrimmon, D. A. 1975. Nest-site selection among five species of herons on the North Carolina coast. Ph.D dissertation. North Carolina State University, Raleigh (Libr. Cong. Card No. Mic. 76-14, 328). 70 pp. University Microfilm, Ann Arbor, Mich. (Diss. Abstr. 37(1):117-B).
- McCrimmon, D. A., Jr. 1978. The collection, management, and exchange of information on colonial nesting birds. *Natl. Audubon Soc. Res. Rep.* No. 7.
- McDonald, N. J., S. Daly, and J. A. Gillespie. 1940. Snowy egret nesting in New Jersey. *Auk* 57(1):106.
- McGowan, A. F. 1969. Common tern, Sterna hirundo, nesting on roof in Pompano Beach. *Florida Field* 42:172.
- McIllhenny, E. A. 1912. How I made a bird city. *Country Life in America* 22(9):23-28.
- McIllhenny, E. A. 1934. Bird city. Christopher Publishing House, Boston.
- McLeod, J. A., and G. F. Bonday. 1953. A brief study of the double-crested cormorant on Lake Winnepigosis. *Canadian Field-Naturalist*. 67:1-11.
- McMahon, E. 1974. A survey of great blue heron rookeries on the Oregon coast. Unpublished Report, Oregon Institute of Marine Biology. Charleston, Oreg.
- McMahon, E. et al. 1974. A survey of great blue heron rookeries on the Oregon coast. National Science Foundation Grant Study. University of Oregon, Biology Department, Eugene, Oreg.
- McMullen, T. E. 1938. Southern New Jersey nesting birds. *Oologist* 55:119-120.
- McMullen, T. E. 1947. Nesting of herring gull in New Jersey. *Auk* 64(2):321.

- McMurray, S. L. 1971. Nesting and development of the reddish egret (*Dichromanassa rufescens*) on a spoil bank chain in the Laguna Madre. M.S. thesis. Texas A&I University. 78 pp.
- McVaugh, W., Jr. 1972. The development of four North American herons, I. Living Bird 11:155-173.
- McVaugh, W., Jr. 1975. The development of four North American herons, II. Living Bird 14:163-183.
- Meanley, B. 1955. A nesting study of the little blue heron in eastern Arkansas. Wilson Bull. 67:84-99.
- Meanley, B. 1956. Nesting of the water turkey in eastern Arkansas. Wilson Bull. 60:81-88.
- Meanley, B. 1972. Swamps, river bottoms and canebrakes. Barre Publishers, Barre, Mass. 142 pp.
- Mendoza, C. H., and R. Ortiz. 1974. Anatomical and vegetational features of spoil banks versus their utilization by birds: Upper Laguna Madre of Texas. M.S. thesis. Texas A&I University.
- Meriles, W. J. 1974. Ring-billed California gull nesting colony in south central British Columbia. Canadian Field-Naturalist 88(4):484-485.
- Meyerriecks, A. J. 1960. Comparative breeding behavior of four species of North American herons. Nuttall Ornithological Club Publ. No. 2.
- Miller, J. C. 1966. Great black-backed gull nesting in New Jersey and additional notes on nesting herring gulls. Cassinia 49:31.
- Miller, J. C. 1973. Second nesting of herons, egrets and ibis. Cassinia 54:29.
- Miller, J. C., and R. A. Ryder. 1977. Productivity of white pelicans in Colorado. J. Colo-Wyo. Academy of Science 9(1):41.
- Miller, R. F. 1914. Summer residents of the Pennsauken Creek, New Jersey. Oologist 31:123-128.
- Miller, R. F. 1918. Pennsylvania and New Jersey nesting dates for 1915. Oologist 35:122-123.
- Miller, R. F. 1924. Pennsylvania and New Jersey nesting dates for 1924. Oologist 41:124-126.
- Miller, R. F. 1925. Pennsylvania and New Jersey nesting dates for 1925. Oologist 42:156-157.
- Miller, R. F. 1926. Pennsylvania and New Jersey nesting dates for 1926. Oologist 43:162-164.
- Miller, R. F. 1928a. Pennsylvania and New Jersey 1927 nesting dates. Oologist 45:14-16, 18.
- Miller, R. F. 1928b. Pennsylvania and New Jersey nesting dates for 1928. Oologist 45:125-126, 128.
- Miller, R. F. 1930. Pennsylvania and New Jersey nesting dates for 1929. Oologist 47:5, 7-8.

- Miller, R. F. 1931. Pennsylvania and New Jersey nesting records for 1930. *Oologist* 48:17-19.
- Miller, R. F. 1932. Pennsylvania and New Jersey nesting dates for 1931. *Oologist* 49:14-16.
- Miller, R. F. 1933. Pennsylvania and New Jersey nesting dates for 1932. *Oologist* 50:40-41.
- Miller, R. F. 1934. Pennsylvania and New Jersey nesting dates for 1933. *Oologist* 51:2-4.
- Miller, R. F. 1935. Pennsylvania and New Jersey nesting dates for 1935. *Oologist* 52:137-139.
- Miller, R. F. 1937. Pennsylvania and New Jersey nesting dates for 1936. *Oologist* 54:21-23.
- Miller, R. F. 1939. Pennsylvania and New Jersey nesting dates for 1938. *Oologist* 56:4-6.
- Miller, R. F. 1940. Pennsylvania and New Jersey nesting dates for 1939. *Oologist* 57:33-36.
- Miller, R. F. 1941a. Pennsylvania and New Jersey nesting dates for 1940. *Oologist* 58:6-8.
- Miller, R. F. 1941b. Richard F. Miller's annual report of the Pennsylvania and New Jersey nesting record for 1941. *Oologist* 58:133-136.
- Miller, R. F. 1943. The great blue heron: the breeding birds of the Philadelphia Region (Part II). *Cassinia* 33:1-23.
- Mills, H. R. 1934. Report on the Tampa Bay rookeries. *Florida Naturalist* 8:1-4.
- Mills, H. R. 1935. Report on the Tampa Bay rookeries. *Florida Naturalist* 9:7-10.
- Mitchell, R. M. 1975. The current status of the double-crested cormorant in Utah: a plea for protection. *American Birds* 29:927-930.
- Mock, D. W. 1976. Pair-formation displays of the great blue heron. *Wilson Bull.* 88(2):185-230.
- Monaghan, P., and J. C. Coulson. 1977. State of large gulls nesting on buildings. *Bird Study* 24:89-104.
- Montevecchi, W. A. Predation in a salt marsh laughing gull colony. *Auk* 94(3):583-585.
- Morris, R. D., and R. A. Hunter. 1976. Factors influencing desertion of colony sites by common terns (*Sterna hirundo*). *Canadian Field-Naturalist* 90(2):137-143.
- Morrison, M. L., E. Shanley, Jr., and R. D. Slack. 1977. The food of nestling olivaceous cormorants. *Southwestern Naturalist* 22(3):321-326.

- Moseley, E. L. 1936. Blue heron colonies in Northern Ohio. *Wilson Bull.* 48:3-11.
- Needham, Frances. 1966. Patterns of fall shorebird migration through a complex estuarine environment. M.S. thesis. North Carolina State University, Raleigh.
- Nesbitt, S. A. 1975. Spring migration of sandhill cranes from Florida. *Wilson Bull.* 87:424-426.
- Nesbitt, S. A., M. J. Forgarty, and L. E. Williams, Jr. 1977. Status of Florida nesting brown pelicans. *Bird-Banding* 48(2):138-144.
- Nickell, W. P. 1964. Some mammal predators in a colony of common terns. *Bird-Banding* 35(1):40.
- Nickell, W. P. 1966a. The nesting of the black-crowned night heron and its associates. *Jack-Pine Warbler* 44:130-139.
- Nickell, W. P. 1966b. Common terns nest on muskrat lodges and floating cattail mats. *Wilson Bull.* 78(1):123-124.
- Nicklaus, R. H. 1977. Heron - Egret - Cormorant Rookery Directory. In-house document of the Upper Mississippi River Conservation Committee, Wildlife Technical Section.
- Nisbet, I. C. T. 1971. The laughing gull in the northeast. *American Birds* 25(4):677-683.
- Nisbet, I. C. T. 1973. Terns in Massachusetts: present numbers and historical changes. *Bird-Banding* 44:27-55.
- Nisbet, I. C. T. 1975. Selective effects of predation in a tern colony. *Condor* 77(2):221-226.
- Nisbet, I. C. T., and W. H. Drury. 1972. Measuring breeding success of common and roseate terns. *Bird-Banding* 43(2):97-106.
- Noble, G. K., and D. S. Lehrman. 1940. Egg recognition by the laughing gull. *Auk* 57(1):22-43.
- Noble, G. K., and M. Wurm. 1942. Further analysis of the social behavior of the black-crowned night heron. *Auk* 59:205-224.
- Noble, G. K., M. Wurm, and A. Schmidt. 1938. Social behavior of the black-crowned night heron. *Auk* 55:7-40.
- Norling, W. 1977. Report on great blue heron and great egret nesting. Ecological Studies, 1976 Annual Report, Prairie Island Nuclear Generating Plant Environmental Monitoring Program.
- Noseworthy, C. M., and J. Lien. 1976. Ontogeny of nesting habitat recognition preference in neonatal herring gull chicks. *Anim. Behav.* 24(3):637-651.
- Oberholser, R. C. 1974. The bird life of Texas, Vol. 1. Univ. of Texas Press, Austin. 530 pp.

- Odum, E. P. 1969. The strategy of ecosystem development. *Science* 164(3876):262-270.
- Odum, E. P. 1971. Fundamentals of ecology. 3rd ed. W. B. Saunders Co., Philadelphia. 574 pp.
- Ogden, J. C. 1969. Florida region. *American Birds* 23:651-655.
- Ogden, J. C. 1970. Florida region. *American Birds* 24:663-677.
- Ogden, J. C. 1971. Florida region. *American Birds* 25:846-851.
- Ogden, J. C. 1972. Florida region. *American Birds* 26:847-852.
- Ogden, J. C. 1973. Florida region. *American Birds* 27:859-863.
- Ogden, J. C. 1974. Florida region. *American Birds* 28:894.
- Ogden, J. C. 1978. Recent population trends of colonial wading birds on the Atlantic and Gulf coastal plains. Natl. Audubon Soc. Res. Rep. No. 7.
- Oehlendorf, H. M., E. E. Klaas, and T. E. Kaiser. 1974. Environmental pollution in relation to estuarine birds. Pages 53-81 in survival in toxic environments. Academic Press, New York. 553 pp.
- Olsen, R. B., and R. E. Noble. 1974. Spoil bank avifauna in the intermediate marshes of southeastern Louisiana. Unpublished report. Gulf South Research Institute, New Iberia, La. 13 pp.
- Olson, E. 1949. American egrets shot in Wisconsin. *Passenger Pigeon* 11:79.
- Olson, K. N. 1975. Springtime use by birds of spoil banks compared to flood-plain forests in Navigation Pool 1, Mississippi River. Unpublished Report. 26 pp.
- Ortiz, R. 1974. Anatomical and vegetational features of spoil banks-vs.-their utilization by birds: Upper Laguna Madre of Texas. M.S. thesis. Texas A&I University. 180 pp.
- Owen, D. F. 1960. The nesting success of the heron Ardea cinerea in relation to the availability of food. Pages 597-617 in Proc. Zool. Soc. London, 133:597-617.
- Paige, B. B. 1968. The least tern in man's world. *Florida Naturalist* 42:14-16.
- Palmer, R. S. 1941. A behavior study of the common tern. *Proc. of Boston Soc. of Nat. Hist.* 42:1-119.
- Palmer, R. S. 1962. Handbook of North American birds. Vol. 1. Yale Univ. Press, New Haven, Conn. 567 pp.
- Paludan, K. 1951. Contributions to the breeding biology of California and ring-billed gulls. *Can. Wildl. Ser. Rep. No. 12*.

- Parks, T. C. 1973. A biological inventory of several specific sites located in Everett, Washington. Everett Community College. Unpublished Report. 92 pp.
- Parnell, J. F., and D. A. Adams. 1971. Smith Island: a resource capability study--interim report. North Carolina Sea Grant Publication. Wilmington, N. C.
- Parnell, J. F., D. M. DuMond, and R. N. Needham. 1978. A comparison of plant succession and bird utilization on diked and undiked dredged material islands in North Carolina estuaries. U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report D-78-9.
- Parnell, J. F., and R. F. Soots, Jr., eds. 1975. Proceedings of a conference on management of dredge islands in North Carolina estuaries. North Carolina Sea Grant Publ. UNC-SG-75-01. Raleigh.
- Parnell, J. F., and R. F. Soots. 1976. Caspian tern nesting in North Carolina. *Chat* 40:14-15.
- Parnell, J. F., and R. F. Soots. 1978. The use of dredge islands in wading birds. *Natl. Audubon Soc. Res. Rep. No. 7*:105-111.
- Parsons, J. 1976a. Factors determining the number and size of eggs laid by the herring gull. *Condor* 78(4):481-492.
- Parsons, J. 1976b. Nesting density and breeding success in the herring gull. *Ibis* 118:537-546.
- Patton, S. R., and W. E. Southern. 1977. The effect of nocturnal red fox predation on the nesting success of colonial gulls. *In Proc. 2nd Colonial Waterbird Conference, DeKalb, Ill.*
- Paul, R. T. 1977. History and current status of reddish egret populations in North America. *In Proc. 2nd Colonial Waterbird Conference, DeKalb, Ill.*
- Paul, R. T., A. J. Meyerriecks, and F. M. Dunstan. 1975. Return of the reddish egrets as breeding birds in Tampa Bay, Florida. *Florida Field Naturalist* 3:9-10.
- Paynter, R. A., Jr. 1949. Clutch-size and the egg and chick mortality of Kent Island herring gulls. *Ecology* 30(2):146-166.
- Pearson, T. G. 1921. Notes on the bird-life of southeastern Texas. *Auk* 38:513-523.
- Pearson, T. G., C. W. Bromley, and H. H. Brimley. 1919. *Birds of North Carolina*. Bynum Printing Co., Raleigh, N. C.
- Pemberton, J. R. 1922. A large tern colony in Texas. *Condor* 24:37-48.
- Pemberton, J. R. 1927. The American gull-billed tern breeding in California. *Condor* 29:253-258.
- Penland, S. 1976. The Caspian tern: a natural history. *Washington Wildlife* 28(4):16-19.

- Peters, C. F., K. O. Richter, D. A. Manuwal, S. G. Herman. 1978. Colonial nesting sea and wading bird use of estuarine islands in the Pacific Northwest. U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report D-78-17.
- Peterson, C. T. 1965. An unusual colony of little blue herons. Wilson Bull. 77:192-193.
- Pettingill, O. S. 1970. Ornithology in laboratory and field. Burgess Publishing Co., Minn. 254 pp.
- Pitts, T. F. 1977. Tennessee heron and egret colonies: 1973-1975. Migrant 48:25-29.
- Portnoy, J. W. 1977. Colonial waterbird population status and management on the northern Gulf of Mexico coast. In Proc. 2nd Colonial Waterbird Conf., DeKalb, Ill.
- Portnoy, J. W. 1978. Nesting colonies of seabirds and wading birds in coastal Louisiana, Mississippi, and Alabama. U. S. Fish and Wildlife Service, Office of Biological Services, 77/07.
- Post, P. W. 1961. Range extensions of herons in the northwestern United States. Wilson Bull. 73:390-393.
- Post, W. 1970. Range extension of the cattle egret into interior South Carolina. Chat 34:31-33.
- Post, W., and F. Enders. 1970. Notes on a salt marsh Virginia rail population. Kingbird 20(2):61-67.
- Pratch, M. L. 1972a. Cold Spring heron colony natural area, bordering the Suak River in Stearns County, Minnesota. The Nature Conservancy, Minn. Chapter. 10 pp.
- Pratch, M. L. 1972b. The 1972 great blue heron migration in Minnesota. Loon 44:85-87.
- Pratch, M. L. 1975. The 1973 great blue heron migration in Minnesota. Loon 47:66-69.
- Pratt, H. M. 1970. Breeding biology of great blue herons and common egrets in central California. Condor 72:407-416.
- Pratt, H. M. 1972a. Nesting success of common egrets and great blue herons in the San Francisco Bay region. Condor 74:447-453.
- Pratt, H. M. 1972b. Nesting success of great blue herons and common egrets at Audubon Canyon ranch in 1971. American Birds 26:699-702.
- Pratt, H. M. 1974. Breeding of great blue herons and great egrets at Audubon Canyon ranch, 1972-1973. Western Birds 5:127-136.
- Preston, F. W. 1957. Pigmentation of eggs: variation in the clutch sequence. Auk 74(1):28-41.
- Prestt, L. 1970. The heron Ardea cinerea and pollution. Ibis 112:147.

- Price, I. 1977. Black-crowned night heron reproductive success on Pigeon Island, Lake Ontario, 1972-77. In Proc. 2nd Colonial Waterbird Conf., DeKalb, Ill.
- Proctor, V. W. 1968. Long-distance dispersal of seeds by retention in digestive tracts of birds. *Science* 160(3825):321-3322.
- Quay, T. L. 1947. Bird islands of Beaufort, North Carolina. *Chat* 11:55-57.
- Quay, T. L. 1959. The birds, mammals, reptiles, and amphibians of Cape Hatteras National Seashore Recreation Area. Project Completion Report, Cape Hatteras National Seashore Recreational Area, Manteo, N. C.
- Ralph, C. J., and C. L. Ralph. 1958. Notes on the nesting of egrets near San Rafael, Calif. *Condor* 60:70-71.
- Ramsey, J. J. 1971. The status of the cattle egret in Texas. *Bull. Tex. Ornithol. Soc.* 4:6-7.
- Rapp, W. F. 1940. A heronry in northern Jersey. *Auk* 57:106.
- Reed, C. A. 1965. North American birds eggs. Dover Publ. Reprint, New York. 372 pp.
- Rice, D. W. 1956. Dynamics of range expansion of cattle egrets in Florida. *Auk* 73:259-266.
- Ringer, D. 1975. The effects of management of dredge islands on the estuarine environment. Pages 75-87 in Parnell, J. F., and R. F. Soots, Jr., eds. *Proceedings of a Conference on Management of Dredge Islands in North Carolina Estuaries*. North Carolina Sea Grant Publ. UNC-SG-75-01. Raleigh.
- Robbins, D. S., B. Bruin, H. S. Zim, and A. Singer. 1966. *Birds of North America*. Western Publ. Co., New York. 340 pp.
- Robert, H. C., and C. J. Ralph. 1975. Effects of human disturbance on the breeding success of gulls. *Condor* 77(4):495-499.
- Roberts, T. S. 1932. *The birds of Minnesota, Vol. 1*. Univ. of Minnesota Press, Minneapolis.
- Robertson, W. B., Jr. 1961. Florida region. *Audubon Field Notes* 15:462.
- Robertson, W. B., Jr. 1964. The terns of the Dry Tortugas. *Bull. of the Florida State Museum* 8:1-94.
- Robertson, W. B., Jr., and J. A. Kushlan. 1974. The southern Florida avifauna. *Miami Geological Society. Memoir* 2:414-452.
- Rodgers, J. A., Jr. 1975. Additional observations on hover feeding by North American ardeids. *Wilson Bull.* 87(3):420.
- Rodgers, J. A., Jr. 1978. Display characteristics and frequency of breeding by subadult little blue herons. *Natl. Audubon Soc. Res. Rep.* No. 7.

- Rogers, C. H. 1961. Increases in numbers in New Jersey's coastal birds in fifty years. *New Jersey Nature News* 16(4):124-134.
- Rogers, C. H. 1964. Herring gull nesting colony in Barnegat Bay. *Cassinia* 48:38.
- Rohwer, S. A. 1968. Second breeding record of Caspian tern in Florida. *Florida Naturalist* 41:35.
- Rohwer, S. A., and G. E. Woolfenden. 1968. The varied diet of the gull-billed tern includes a shrub-inhabiting lizard. *Wilson Bull.* 80:330-331.
- Rosario, N. 1975. The behavior of gulls promotes their survival: Biological foundation of the conduct of the genus Larus (in Spanish). *Immerson Science* 8(9):35-42.
- Rosche, R. C. 1971. Birds at Point View Reservoir. *New Jersey Nature News* 26(4):142-146.
- Rudegeair, T. J., Jr. 1975. The reproductive behavior and ecology of the white ibis (Eudocimus albus) Ph. D dissertation. University of Florida, Gainesville (Libr. Cong. Card No. Mic. 75-23,913). 158 pp. University Microfilms, Ann Arbor, Mich. (Diss. Abstr. 36(5):2108-B.)
- Ryder, J. P., D. E. Orr, and G. H. Saedi. 1977. Egg quality in relation to nest location in ring-billed gulls. *Wilson Bull.* 89(3):473-475.
- Ryder, R. A. 1967. Distribution, migration, and mobility of the white-faced ibis in North America. *Bird-Banding* 38:257-277.
- Ryder, R. A. 1977. Gulls in Colorado: their distribution, status, and movements. *In Proc. 2nd Colonial Waterbird Conf.*, DeKalb, Ill.
- Ryder, R. A. 1978. Breeding distribution, movements, and mortality of snowy egrets in North America. *Natl. Audubon Soc. Res. Rep. No. 7.*
- Ryder, R. A., and J. R. Torres. 1974. Research and management of some nongame waterbirds in Colorado. *J. Colo.-Wyo. Acad. Sci.* 7(5):76.
- Rysguard, G. N., and W. A. Savell. 1962. Storm damage to a heron rookery. *Flicker* 34:78-80.
- Savell, W. A. 1971. Gull-gilled terns in New Jersey. *Cassinia* 53:47-48.
- Sawhill, G. S., and P. A. Healy. 1977. Nesting habits of the great blue heron. *N. J. Outdoors* 4:14-16.
- Scharf, W. C. 1970. Gull Point, South Manitou Island--1966-1969. *Inland Bird-Banding News* 42(1):6-9.
- Scharf, W. C. 1971. Critical nesting and migration areas: the U. S. Great Lakes shorelands. *Shoreland Appendix, Great Lakes Basin Commission.* 44 pp.
- Scharf, W. C. 1978. Colonial birds nesting on man-made and natural sites in the U. S. Great Lakes. *U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report D-78-10.*

Scharf, W. C., and G. Shugart. 1975. Nestling banding: an index of reproductive success in a herring gull colony. *Inland Bird-Banding* 47:125-129.

Scharf, W. C., G. Shugart, M. Chamberlin, and T. Erdman. 1977. Nesting and migration areas of birds of the U. S. Great Lakes. Joint U. S. Army Engineer Dredged Material Research Program. U. S. Fish and Wildlife Service Office of Biological Services, Contract Interim Report 77/02.

Shanholtzer, G. F. 1970. Breeding records and distribution of the glossy ibis on the Georgia coast. *Oriole* 35:37-39.

Schreiber, E. A., and R. W. Schreiber. 1975. Royal tern nesting on west coast peninsular Florida. *Florida Field Naturalist* 3:46-47.

Schreiber, R. W. 1970. Breeding biology of western gulls Larus occidentalis on San Nicholas Island, California, 1968. *Condor* 72:133-140.

Schreiber, R. W. 1974. The maintenance activities and communicatory behavior of the brown pelican Pelecanus occidentalis. Ph. D. dissertation. University of South Florida (Libr. Cong. Card No. Mic. 75-571). 174 pp. University Microfilms. Ann Arbor, Mich. (Diss. Abstr. 35(7):3272-B).

Schreiber, R. W. 1976. Growth and development of nestling brown pelicans. *Bird-Banding* 47:19-39.

Schreiber, R. W., and J. J. Dinsmore. 1972. Caspian tern nesting records in Florida. *Florida Naturalist* 45:161.

Schreiber, R. W., and R. W. Riseborough. 1972. Status of brown pelican population in the United States. *Wilson Bull.* 84(2):119-135.

Schreiber, R. W., and E. A. Schreiber. 1973. Florida's brown pelican: Christmas bird count analyses. *American Birds* 27:711-715.

Schreiber, R. W., and E. A. Schreiber. 1978. Colonial bird use and plant succession of dredged material islands in Florida, Vol. I: Sea and wading bird colonies. U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report D-78-14.

Schultz, F. W. 1935. Tampa Bay rookery warden's report. *Florida Naturalist* 8:23-25.

Schultz, F. W. 1936. Tampa Bay rookery warden's report. *Florida Naturalist* 9:79-81.

Scott, F. R. 1975. Middle Atlantic coast region. *American Birds* 29:955.

Scott, F. R., and D. A. Cutler. 1975. Middle Atlantic coastal region. *American Birds* 29:34-40.

Scott, W. E. 1955. The management of predaceous and fish-eating birds in Wisconsin. *Passenger Pigeon* 17:51-58.

- Scott, W. E. D. 1887. The present conditions of some bird rookeries of the Gulf coast of Florida. *Auk* 4:135-144, 213-222, 273-284.
- Segre, A., J. P. Hailman, and C. G. Beer. 1968. Complex interactions between clapper rails and laughing gulls. *Wilson Bull.* 80(2):213-219.
- Segre, A., R. Noble, and J. P. Hailman. 1966. A five egg herring gull nest. *Bird-Banding* 37(4):290.
- Seibert, H. C. 1951. Light intensity and the roosting flight of herons in New Jersey. *Auk* 68(1):63-74.
- Shick, C. S. 1890. Birds found breeding on Seven Mile Beach, New Jersey. *Auk* 7:326-329.
- Shugart, G. W. 1976. Effects of ring-billed gull nesting on vegetation. *Jack-Pine Warbler* 54:50-53.
- Shugart, G. W., and W. C. Scharf. 1977. Predation and dispersion of herring gull nests. *Wilson Bull.* 89(3):472-473.
- Siegfried, W. R. 1978. Habitat and modern range expansion of the cattle egret. *Natl. Audubon Soc. Res. No.* 7.
- Simersky, B. L. 1971. Competition and nesting success of four species of herons on four spoil islands in the Laguna Madre. M.S. thesis. Texas A&I University. 92 pp.
- Smail, J. 1970. Estuaries and the ecology of shorebirds. *Trans. 35th North Am. Wildl. Nat. Resources Conf.* Pages 258-265.
- Smith, A. J. M. 1975. Studies of breeding Sandwich terns. *Brit. Birds* 68:142-156.
- Smith, H. K. 1977. Habitat development aspects of the Dredged Material Research Program. *In Proc. 42nd North American Wildlife and Natural Resources Conf., Atlanta, Ga.* In press.
- Smith, H. R., and P. W. Parmalee. 1955. A distributional check list of the birds of Illinois. *Popular Science Series* 4:1-62.
- Smith, J. C. 1975a. Fish-eating bird survey. Texas Parks and Wildlife Dept., Austin. Texas annual fish-eating bird survey. P-R Proj. Rep. W-103-R-5, Job 40.
- Smith, J. C. 1975b. Fish-eating bird management. Texas Parks and Wildlife Dept., Austin. Texas annual fish-eating bird survey. P-R Proj. Rep. W-103-R-5, Job 42.
- Smith, J. L., and D. R. Mudd. 1975. Impact of dredging on the avian fauna in Gray's Harbor. Appendix H. Contract 74-164, Washington Dept. of Ecology. 219 pp.
- Smith, R. L. 1974. Ecology and field biology. 2nd ed. Harper and Row, New York. 850 pp.
- Sobey, D. 1976. The effect of herring gulls on the vegetation of the Isle of May. *Trans. Bot. Soc. Ednib.* 42(4):469-485 (Source Stranmillis College, Belfast, Ireland).

- Soikkele, M. 1973. Long-distance fishing flights of the breeding Caspian tern. *Ornis Fennica* 50:47-48.
- Soots, R. F., and J. F. Parnell. 1975a. Introduction to the nature of dredged islands and their wildlife and an overview of their importance. In proc. of a conf. on management of dredge islands in North Carolina estuaries. North Carolina Office Sea Grant, UNC-SG-75-01.
- Soots, R. F., Jr., and J. R. Parnell. 1975b. Ecological succession of breeding birds in relation to plant succession on dredge islands in North Carolina estuaries. Sea Grant UNC-SG-75-27. North Carolina State University at Raleigh, N. C.
- Soots, R. F., and J. F. Parnell. Analyses of the use of the point-center quarter method in estimating colonial seabird nesting populations. Rep. Ann. Meeting Am. Ornithologists, Union, Haverford, Pennsylvania. Unpublished.
- Soots, R. F., and J. F. Parnell. 1975c. First record of the roseate tern nesting in North Carolina. *Chat* 39:20-21.
- Southern, W. E. 1967a. Dispersal and migration of ring-billed gulls from a Michigan population. *Jack-Pine Warbler* 45(4):102-111.
- Southern, W. E. 1967b. Colony selection, longevity, and ring-billed gull populations: preliminary discussion. *Bird-Banding* 38(1):52-60.
- Southern, W. E. 1968. Age composition of a breeding ring-billed gull population. *Inland Bird-Banding News* 40(5):166-167.
- Southern, W. E. 1977. Colony selection and colony site tenacity in ring-billed gulls at a stable colony. *Auk* 94(3):469-478.
- Sprunt, A., Jr. 1938. Increase of the roseate spoonbill on the coast of Texas. *Auk* 52:443.
- Sprunt, A., Jr. 1954. Florida bird life. Coward-McCann, Inc., N. Y.
- Sprunt, A., Jr. 1955. The spread of the cattle egret. *Smithsonian Inst. Ann. Rep. for 1954*:259-276.
- Sprunt, A. 1959. A survey of wading bird colonies on the Texas and Louisiana coasts. Unpublished report. 30 pp.
- Sprunt, A., IV, J. C. Ogden, and S. Winckler. 1978. Wading birds. *Natl. Audubon Soc. Res. Rep. No. 7*. 381 pp.
- Stephens, W. H., III. 1975. Rare spoonbills raising young again in Tampa Bay. *Tampa Tribune and Tampa Times*. Tampa, Florida.
- Stevenson, H. M. 1972. Recent breeding of the Sandwich tern (*Thalasseus sandvicensis*) in Florida. *Florida Naturalist* 45:94-95.
- Stewart, C. A. 1949. Observations on the American egret in Iowa. *Iowa Bird Life* 19:2-5.
- Stewart, J. R., Jr. Central southern region. *American Birds* 30:966.
- Stewart, R. E. 1957. Eastern glossy ibis nesting in southeastern Maryland. *Auk* 74:509.

- Stiles, B. F. 1939. The least tern in Iowa. Iowa Bird Life 9:19-21.
- Stoddard, H. L. 1922. Bird notes from southern Wisconsin. Wilson Bull. 34:66-79.
- Stone, W. 1909. The birds of New Jersey, their nests and eggs. Annual Report of the New Jersey State Museum for 1908, Trenton. 347 pp.
- Stone, W. 1932. Louisiana heron again on the New Jersey coast. Auk 49:458.
- Stone, W. 1934. American egrets nesting in New Jersey. Auk 51:368-369.
- Stone, W. 1937. Bird studies at Old Cape May. Delaware Valley Ornithological Club, Philadelphia. 921 pp.
- Stone, W. B. 1894. The birds of eastern Pennsylvania and New Jersey. Delaware Valley Ornithological Club, Philadelphia. 185 pp.
- Strait, J. E., and N. F. Sloan. 1975. Movements and mortality of juvenile white pelicans from North Dakota. Wilson Bull. 87:54-59.
- Strang, C. A. 1977. Variation and distribution of glaucous gulls in western Alaska. Condor 79(2):170-175.
- Summerour, C. W. 1971. Engineering considerations in the building and management of dredge islands. In Proc. Conf. Manage. Dredge Islands in North Carolina Estuaries, May 1974. North Carolina Sea Grant Publ. UNC-SG-75-A. Raleigh.
- Sutton, G. M. 1950. The southern limits of the willet's continental breeding range. Condor 52:135-136.
- Swickard, D. K. 1974. An evaluation of two artificial least tern nesting sites. Calif. Fish and Game 60(2):88-90.
- Sykes, P. W., Jr. 1967. The fall migration of land birds along the Bodie Island-Pea Island region of the Outer Banks of northeastern North Carolina. M.S. thesis. North Carolina State University at Raleigh.
- Taverner, J. H. 1965. Observations on breeding Sandwich and common terns. Brit. Birds 58(1):5-9.
- Taylor, R. J., and E. D. Michael. 1971. Predation on an island heronry in eastern Texas. Wilson Bull. 83:172-177.
- Teal, J. M. 1965. Nesting success of egrets and herons in Georgia. Wilson Bull. 77:257-263.
- Teeple, S. M. 1977. Reproductive success of herring gulls nesting on Brothers Island, Lake Ontario in 1973. Canadian Field-Naturalist. 91:148-157.
- Telfair, R. C. 1973. The African cattle egret (*Ardeola ibis*) in Texas: population dynamics and ecology impacts Ph. D. dissertation. Texas A&M University.
- Theodore, L. 1955. Yellow-crowned night heron nests in southeast Minnesota. Flicker 27:171-172.

Thompson, E. H. 1933. History and present status of the breeding colonies of the white pelican (Pelecanus erthrorhynchos) in the United States. U. S. Dept. Interior, National Park Service, Occas. Paper No. 1.

Thompson, D. H. 1977. Declines in populations of waterbirds nesting within the floodplain of the Upper Mississippi River. In Proc. 2nd Colonial Waterbird Conf., DeKalb, Ill.

Thompson, D. H., and M. C. Landin. 1978. An aerial survey of waterbird colonies along the upper Mississippi River and their relationship to dredged material deposits. U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report D-78-13.

Tinbergen, N. 1959. Comparative studies of the behavior of gulls (Laridae): a progress report. Behavior 15:1-70.

Tomkins, I. R. 1959. Life history notes on the least tern. Wilson Bull. 71:313-322.

Toulings, R. T. 1975. Southern Atlantic coast region. American Birds 29:958.

Truesdell, W. G. 1970. More on the killdeer nesting in southern Florida. Florida Naturalist 43:179.

Turnbull, W. P. 1869. The birds of eastern Pennsylvania and New Jersey. Henry Grambo and Co., Philadelphia. 55 pp.

U. S. Dept. of the Interior, Bureau of Sport Fisheries, Office of Endangered Species and International Activities. 1973. Threatened wildlife of the United States. Resource Publication 114. U. S. Gov't. Printing Office, Washington, D. C.

Ulmer, F. A., Jr. 1957-1958. Other records--1955. Cassinia 42:18-22.

Urner, C. A. 1926. Black skimmer (Rynchops niger) nesting in Ocean County, New Jersey. Auk 43:532.

Urner, C. A. 1929-1930. Southern herons in New Jersey. Cassinia 28:9-14.

Urner, C. A. 1932. Eastern glossy ibis in New Jersey. Auk 49:459.

Urner, C. A., and R. W. Storer. 1949. The distribution and abundance of shorebirds on the north and central New Jersey coast. 1928-1938. Auk 66(2):177-194.

Urner Ornithological Club. 1959. First supplement to the "Annotated List of New Jersey Birds." U.O.C., Newark. 13 pp.

Vaisanen, R. A. 1973. Establishment of colonies of Caspian terns by deserting flights in the northern Gulf of Bothnia. Ornis Scand. 4:47-53.

Valentine, J. M. 1958. The cattle egret at Chincoteague, Va. Raven 29:68-95.

Van Velzen, W. T. 1968. The status and dispersal of Virginia royal terns. Raven 39(4):55-60.

- Verbeek, N. A. M. 1977. Comparative feeding behavior of immature and adult herring gulls. *Wilson Bull.* 89(3):415-421.
- Vermeer, K. 1963. The breeding biology of the glaucous-winged gull on Mandarte Island, B. C. *British Columbia Provincial Museum No. 13.* Victoria, B. C.
- Vermeer, K. 1969a. Colonies of double-crested cormorants and white pelicans in Alberta. *Canadian Field-Naturalist* 83:36-69.
- Vermeer, K. 1969b. Great blue heron colonies in Alberta. *Canadian Field-Naturalist* 83:237-242.
- Vermeer, K. 1970a. Insular great blue heron colonies in large Manitoba lakes. *Blue Jay* 28:84-86.
- Vermeer, K. 1970b. Breeding biology of California and ring-billed gulls: a study of ecological adaptation to the inland habitat. *Canadian Wildlife Service Report No. 12.*
- Vermeer, K. 1973. Great blue heron and double-crested cormorant colonies in the prairie provinces. *Canadian Field-Naturalist* 87:427-432.
- Vermeer, K., and D. R. M. Hatch. 1972. Additional information on great blue heron colonies in Manitoba. *Blue Jay* 30:89-92.
- Vermeer, K., and G. G. Anweiler. 1970. Great blue heron colonies in Saskatchewan in 1970. *Blue Jay* 28:158-161.
- Vermeer, K., and L. M. Reynolds. 1970. Organochlorine residues in aquatic birds in the Canadian prairie provinces. *Canadian Field-Naturalist* 84:117-130.
- Von Schmidt, K. 1968. Note on the mating behavior of the least tern, *Sterna albifrons*. *Auk* 85:694.
- Vocus, D. H., ed. 1972. *Proceedings of the 15th International Ornithological Congress.* The Hague, Netherlands. E. J. Bull. The Netherlands.
- Wahl, T. R., and D. R. Paulson. 1972. *Guide to bird finding in Washington.* Museum of History and Art, Bellingham, Washington. 95 pp.
- Wander, W. 1977. Quantitative data on the nesting birds of Sandy Hook. *Linn. Newsl.* 30(8):3-4.
- Warren, B. S. 1977b. The nesting ecology of several species of herons and the glossy ibis (*Plegadis falcinellus*) in three heronries in Virginia. M.S. thesis. College of William and Mary. 90 pp.
- Warren, G. 1977a. The nesting ecology of several species of herons and the glossy ibis in three heronries in Virginia. *In Proc. 2nd Colonial Waterbird Conf., DeKalb, Ill.*
- Weber, W. J. 1975. Notes on cattle egret breeding. *Auk* 92(1):111-117.
- Webster, F. S., Jr. 1971. South Texas region. *Audubon Field Notes* 25:876.

- Wehr, E. E. 1971. Infectious and parasitic diseases of wild birds. Iowa St. Univ. Press, Ames, Iowa.
- Weller, M. W., and C. S. Spatcher. 1965. Role of habitat in the distribution and abundance of marsh birds. Iowa State University Agriculture and Home Economics Experiment Station Special Report 43.
- Welty, J. C. 1975. The life of birds. 2nd. ed., W. B. Saunders Company, Philadelphia.
- Werdchkul, D. F. 1977. Observations of the impact of cattle egrets on the reproductive ecology of the little blue heron. In Proc. Colonial Waterbird Conf., DeKalb, Ill.
- Werschkul, D. F., E. McMahon, and M. Leitschuh. 1976. Some effects of human activities on the great blue heron in Oregon. *Wilson Bull.* 88(4):660-662.
- Weseloh, D. V., and R. T. Brown. 1971. Plant distribution within a heron rookery. *American Midland Naturalist* 86:57-64.
- Weseloh, D. V., S. Brechtel, and R. D. Burns. 1977. Recent population changes in double-crested cormorants and California and ring-billed gulls in Alberta, Canada, with a note on white pelicans. In Proc. 2nd Colonial Waterbird Conf. DeKalb, Ill.
- Weston, F. M. 1927. Pensacola, Florida region. *Bird-Lore* 29:274-276, 349-350.
- Wheelock, I. G. 1906. Nesting habits of the green heron. *Auk* 23:432-436.
- White, D. A., and J. A. Kushlan. 1977. Laughing gull colonies in extreme southern Florida. *Florida Field Naturalist*. In press.
- Whitehead, D. R., and C. E. Jones. 1969. Small islands and the equilibrium theory of insular biogeography. *Evolution* 23:171-179.
- Widjeskog, L. 1976. Survey of nesting densities of wading birds on spoil areas created by channel dredging. New Jersey Dept. of Natural Resources Project No. W-53-R-4. 4 pp.
- Wiese, J. M. 1976. Courtship and pair formation in the great egret. *Auk* 93(4):709-724.
- Wiese, J. H. 1977. A study of the reproductive biology of herons, egrets, and ibis nesting on Pea Patch Island, Delaware. Report for Delmarva Power and Light Company, Wilmington, Del. 179 pp.
- Wiese, J. H. 1978a. Density-dependent mortality in a mixed species heronry. Report in preparation.
- Wiese, J. H. 1978b. Heron nest-site selection and its ecological effects. *Natl. Audubon Soc. Res. Rep. No. 7*.
- Wiese, J. H., and R. L. Crawford. 1974. Joint "leap-frog" feeding by ardeids. *Auk* 91:836.

- Wilbur, S. R. 1974. The literature of the California least tern. U. S. Dept. of the Interior, Bureau of Sports Fisheries and Wildlife Special Scientific Report No. 175. Washington, D. C.
- Wilcox, L. 1944. Great black-backed gull breeding in New York. Auk 61(4):653-654.
- Willard, D. E. 1975. The feeding behavior and ecology of five species of herons at the Brigantine National Wildlife Refuge, New Jersey. Ph. D. dissertation. Princeton University (Libr. Cong. Card No. Mic. 76-16,571). 55 pp. University Microfilms, Ann Arbor, Mich. (Diss. Abstr. 37(1):60-B.)
- Williams, B. 1975. Growth rate and nesting aspects for the glossy ibis in Virginia. Raven 46(2):35-51.
- Williams, F. 1967. Southern great plains region. Audubon Field Notes 21:583.
- Williams, J. W. 1973. Growth rate and nesting aspects for the glossy ibis in Virginia--1972. M.A. thesis. College of William and Mary, Williamsburg, Va. 93 pp.
- Williams, L. E., Jr. 1976. Recovery plan for the eastern brown pelican (Pelecanus occidentalis carolinensis). Draft Copy. U. S. Fish and Wildl. Service. 48 pp.
- Williams, L. E., Jr., and L. Martin. 1968. Nesting status of the brown pelican in Florida. Quart. J. Fla. Acad. Sci. 31:130-140.
- Williams, M. D., and C. P. Nicholson. 1977. Observations at a black-crowned night heron nesting colony. Migrant 48:106. University of Tennessee, Knoxville.
- Williams, R. J. 1957. The great blue heron colonies of Wisconsin. Passenger Pigeon 19:51-66.
- Wilson, A. 1813-1814. American ornithology. Vols. 7-9. Philadelphia Academy of Science, Philadelphia.
- Wilson, U. 1977. A study of the biology of the rhinoceros auklet on Protection Island, Washington. M.S. thesis, University of Washington. Seattle, Washington.
- Wolford, J. W., and D. A. Boag. 1971. Distribution and biology of black-crowned night herons in Alberta. Canadian Field-Naturalist 85:13-19.
- Wolk, R. G. 1959. Some reproductive behavior patterns of the black skimmer, Rynchops nigra nigra Linnaeus. Ph. D. dissertation. Cornell University (Libr. Congr. Card No. Mic. 60-308) 85 pp. University Microfilms, Ann Arbor Mich. (Diss. Abstr. 20(6):2393).
- Wolk, R. G. 1974. Reproductive behavior of the least tern. Proc. Linnean Soc. New York 72:44-62.
- Wolk, R. G., and J. Bull. 1967. Differential nesting schedules of herring gulls on Long Island, New York. Kingbird 17(1):5-6.

- Wood, H. B. 1949. Laughing gulls tread out their food. *Bird-Banding* 20(2):103.
- Woolfenden, G. E., and J. A. Meyerriecks. 1963. Caspian tern breeds in Florida. *Auk* 80:365-366.
- Woolfenden, G. E., and W. B. Robertson, Jr. 1974. Least tern nest at Dry Tortugas. *Florida Field Naturalist* 2:19-20.
- Woolfenden, G. E., and R. W. Schrieber. 1973. The common birds of the saline habitats of the Eastern Gulf of Mexico: Their distribution, seasonal status, and feeding ecology. In summary of knowledge of the Eastern Gulf of Mexico. State Univ. System Institute of Oceanography, St. Petersburg, Fla.
- Wooten, Curtis. 1977. A day with the pelicans. *Wildlife in North Carolina* 41(7):13-15.
- Worsham, A. D., R. F. Soots, and J. F. Parnell. 1974. Herbicides for vegetation management in restoring dredge islands or nesting sites for coastal colonial nesting birds. Southern Weed Scientific Society.
- Worth, C. B. 1941. Snowy egret again nesting in New Jersey. *Auk* 58(2):252-253.
- Wright, W. B. 1949-1950. First nesting of the Louisiana heron in New Jersey. *Cassinia* 38:33.
- Wynne, E. V. C. 1955. Low reproduction rates in birds, especially seabirds. *Acta XI Internat. Ornith. Congr.* Pages 540-547.
- York, O. L. 1957. Elmira's night herons. *Kingbird* 7:84.
- Zimmerman, D. R. 1976. Endangered bird species: Habitat manipulation methods. *Science*:876-878.
- Zubalsin, V. A. 1976. Some problems of individual identification in gulls (Laridae) [in Russian, English summary]. *Byull. Mosk. O-VA Ispyt. Prir. Otd. Biol.* 81(3):31-37.

PART III: VEGETATION, SOILS, AND ENVIRONMENTAL
IMPACTS BIBLIOGRAPHY

- Anonymous. 1975. Revegetation study of Island 117. Navigation Pool No. 9, Upper Mississippi River. University of Wisconsin-LaCrosse River Studies Center.
- Anonymous. 1976a. Public notice, NAPOP-N, Disposal Areas - New Jersey Intracoastal Waterways. 20 January 1976. U. S. Army Engineer District, Philadelphia.
- Anonymous. 1976b. The Gulf Intracoastal Waterway in Texas. Transportation Planning Div., State Dept. Highways and Public Transportation. Austin. 176 pp.
- Anonymous. 1977. New dredge spoil technique supports marine life. The Marine Newsletter 8:5.
- Au, S. 1970. Vegetation and ecological processes on Shackleford Bank, North Carolina. Ph. D. dissertation, Duke University (Libr. Congr. Card No. Mic. 70-18,079). 188 pp. University Microfilms, Ann Arbor, Mich. Diss. Abstr. 31(4):1756-B).
- Barnes, D. 1971. Anatomy of a spoil island. M.S. thesis. Texas A&I University, Kingsville, Tex. 70 pp.
- Beaman, B. 1973. Plant community structure and vegetational zones on spoil islands. New College, Sarasota, Fla. 64 pp.
- Bonoff, Michael. 1976. Kellogg Island and the Lower Duwamish estuary: environmental conditions. City of Seattle Environmental Management Division. 14 pp.
- Bordeau, P. F., and H. J. Oosting. 1959. The maritime live oak forest in North Carolina. Ecology 40(1):148-152.
- Buol, S. W., R. D. Hole, and R. J. McCracken. 1973. Soil genesis and classification. Iowa State University Press, Ames. 360 pp.
- Burk, C. J. 1962. The North Carolina Outer Banks: a floristic interpretation. J. Elisha Mitchell Sci. Soc. 78:21-28.
- Carlson, P. R. 1972. Patterns of succession on spoil islands: A summary report. Environmental Studies Program, New College, Sarasota, Fla.
- Carney, C. B., and A. V. Hardy. 1967. North Carolina hurricanes: a listing and description of tropical cyclones which have affected the state. U. S. Department of Commerce. Environmental Science Services Administration. Washington, D. C.
- Coastal Zone Resources Corporation. 1977. A comprehensive study of successional patterns of plants and animals at upland disposal areas. U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Contract Report D-77-2.

- Coastal Zone Resources Corporation. 1978. U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report D-78-37.
- Correll, D. S., and M. C. Johnston. 1970. Manual of the vascular plants of Texas. Texas Research Foundation. Renner, Tex. 1881 pp.
- Craighead, F. C. 1971. The trees of south Florida. Vol. 1. The natural environments and their succession. Univ. Miami Press, Coral Gables. 212 pp.
- Crout, J. D. 1976. Soil survey of Chambers County, Texas. National Cooperative Soil Survey, U. S. Department of Agriculture Soil Conservation Service, Washington, D. C. 53 pp.
- Cruden, R. W. 1966. Birds as agents of long-term dispersal for disjunct plant groups of the temperate western hemisphere. *Evolution* 20:517-532.
- Curtis, J. T. 1959. The vegetation of Wisconsin. Univ. of Wisconsin Press, Madison.
- Davis, J. H., Jr. 1940. The ecology and geologic role of mangroves in Florida. Carnegie Inst. Wash. Pub. 517. Papers from Tortugas Lab. 32(16):303-412.
- Davis, J. H., Jr. 1942. The ecology of the vegetation and topography of the sand keys of Florida. Paper from the Tortugas Laboratory 34:115-195.
- Detweiler, T., F. M. Dunstan, R. R. Lewis, and W. K. Fehring. 1975. Patterns of secondary succession in a mangrove community in Tampa Bay. Pages 52-80 in R. R. Lewis, ed. Proceedings of the Second Annual Conference on Restoration of Coastal Vegetation in Florida. Hillsborough Community College, Tampa, Fla. 203 pp.
- Doutt, J. K. 1941. Wind pruning and salt spray as factors in ecology. *Ecology* 22:195-196.
- Dunstan, F. M., and R. R. Lewis. 1974. Avian utilization and plant succession on dredged material islands in Tampa Bay, Fla. Contract report to Coastal Zone Resources Corp., Wilmington, N. C. 73 pp.
- Dyrness, C. T., J. F. Franklin, C. Maser, S. A. Cook, J. D. Hall, and G. Faxon. 1975. Research Natural Area Needs in the Pacific Northwest. Pacific Northwest Forest and Range Exp. Sta., U. S. Department of Agriculture. 231 pp.
- Eilers, H. 1975. Plants, plant communities, net production and tide levels: The ecological biography of the Nehalem salt marshes, Tillamook County, Oregon. Ph. D. dissertation. Oregon State University (Libr. Congr. Card No. Mic. 75-13,049). 387 pp. University Microfilms, Ann Arbor, Mich. (Diss. Abstr. 35(12):5851-B).
- Environmental Data Service. 1976. Local climatological data, annual summary with comparative data: Wilmington, North Carolina National Climatic Center, Asheville, N. C. 4 pp.

- Fernald, M. L. 1950. Gray's manual of botany, 8th ed. American Book Corp., New York. 1632 pp.
- Finch, F. C., and G. T. Trewartha. 1949. Elements of geography: physical and cultural. McGraw-Hill Book Co., New York, N. Y. 711 pp.
- Fish, H. N. 1959. Padre Island and the Laguna Madre Flats Coastal South Texas. Coastal Geography Cong. Louisiana State Univ. 2:103-152.
- Gottschalk, J. S. 1966. Wetlands, Wildlife, and the Army Engineers. Audubon Mag. 68(2):116-118.
- Gould, F. W. 1962. Texas plants - a checklist and ecological summary. Texas A&M Univ. College Station. 112 pp.
- Greig-Smith, P. (ed.). 1964. Quantitative plant ecology. Butterworths, Washington. 256 pp.
- Gunter, G. 1967. Vertebrates in hypersaline waters. Publ. Inst. Mar. Sci. Univ. Texas 12:230-241.
- Gusey, W. F. 1976. The fish and wildlife resources of the middle Atlantic bight. Shell Oil Co., Houston. 582 pp.
- Hanneson, B. 1962. Changes in the vegetation on coastal dunes in Oregon. M.S. thesis. Univ. of Oregon, Eugene, Oreg. 103 pp.
- Hardy, A. B., and J. D. Hardy. 1971. Weather and climate in North Carolina. Agriculture Experiment Station Bull. 396. North Carolina State Univ., Raleigh. 48 pp.
- Harry, H. W. 1976. Correlation of benthic mollusca with substrate composition in lower Galveston Bay, Tex. The Veliger 19:135-152.
- Harthill, M. P., and I. O'Connor. 1975. Common mosses of the Pacific coast. Naturegraph Publishers, Inc., California. 114 pp.
- Hedgpeth, J. W. 1947. The Laguna Madre of Texas. Trans. North Am. Wildl. Conf. 12:364-380.
- Hedgpeth, J. W. 1953. An introduction to the zoogeography of the northwestern Gulf of Mexico with reference to the invertebrate fauna. Publ. Inst. Mar. Sci. Univ. Texas 3(1):111-224.
- Hedgpeth, J. W. 1967. Ecological aspects of the Laguna Madre, a hypersaline estuary. In G. H. Lauff, Ed. Estuaries. Amer. Assoc. Advance. Sci. Pub. No. 83:408-419.
- Hesse, L. W., R. L. Brown, and J. F. Heisinger. 1975. Vegetative structure and nest distribution in a black-crowned night heron heronry. Jack-Pine Warbler 53:95-99.
- Hitchcock, A. S. 1971. Manual of the grasses of the United States. Second edition revised by A. Chase. Dover Publ., Inc., New York. 2 Vols. 1051 pp.
- Hitchcock, C. L. and A. Cronquist. 1973. Flora of the Pacific Northwest. University of Washington Press, Seattle and London. 730 pp.

- Hitchcock, C. L., A. Cronquist, M. Ownbey, and J. V. Thompson. 1955-1969. Vascular plants of the Pacific Northwest. University of Washington Press, University of Washington Publ. in Biology. Vol. 17 (issued in five parts). Seattle and London.
- Hosier, P. E. 1973. The effects of oceanic overwash on the vegetation of Core and Shackleford Banks, North Carolina. Ph. D. dissertation, Duke University (Libr. Congr. Card No. Mic. 74-1140). 248 pp. University Microfilms, Ann Arbor, Mich. (Diss. Abstr. 34(7):3206-B.)
- Jaworski, Eugene, and C. N. Raphael. 1976. The confined disposal program for polluted dredged spoil in the Great Lakes. Coastal zone Management Journal 3(1):91-96.
- Koch, R. G., and Richard Mihalek. 1975. Vegetation of selected areas of the Duluth-Superior Harbor. National Biocentrics, Inc. Univ. of Wisconsin-Superior.
- Lakela, O., and R. W. Long. 1970. Plants of the Tampa Bay area. Univ. of South Florida Dept. of Botany and Bacteriology. Contribution No. 56. 109 pp.
- Larson, D. L. 1974. Vegetation of dredge spoil in the Lost Island area of Pool 5. U. S. Army Engineer District, St. Paul. 40 pp.
- Lewis, I. F. 1917. The vegetation of Shackleford Bank, Cartaret County, N. C. Geol. Econ. Surv. Paper 46:1-32.
- Lewis, R. R. 1977. Impact of dredging in the Tampa Bay estuary, 1876-1976. In Proc. of the second annual meeting of the Florida Coastal Estuarine Society.
- Lewis, R. R., and F. M. Dunstan. 1975a. Use of spoil islands in re-establishing mangrove communities in Tampa Bay, Fla. In G. Walsh et al., eds. Proceedings of the international symposium on biology and management of mangroves. Vol. II. Institute of Food and Agricultural Sciences. Univ. of Florida, Gainesville, Fla. 877 pp.
- Lewis, R. R., and F. M. Dunstan. 1975b. The possible role of Spartina alterniflora Loisel. in the establishment of mangroves in Florida. Pages 82-100 in R. R. Lewis, ed. Proceedings of the Second Annual Conference on Restoration of Coastal Vegetation in Florida. Hillsborough Community College, Tampa, Fla. 203 pp.
- Lohse, E. A. 1955. Dynamic geology of the modern coastal region, north-west Gulf of Mexico. Soc. Econ. Paleon. Miner., Spec. Publ. 3:9-105.
- Long, R. W., and O. Lakela. 1971. A flora of Tropical Florida, a manual of the seed plants and ferns of southern peninsula Florida. Univ. of Miami Press, Coral Gables, Florida. 962 pp.
- McCoy, E. G., G. M. Davis, and K. H. Johnston. 1963. Laboratory studies of sedimentation rates of soil samples taken from the proposed oyster shell dredging area in eastern Albemarle Sound. N. C. Wildlife Resources Commission, Raleigh.

- McCoy, E. G., and K. J. Johnston. 1964. The effect of wind and salinity upon the sedimentation rates of soils from dredging sites in Albemarle Sound, N. C. Southeastern Assoc. Game Fish Comm. Proc. Pages 358-370.
- McLaughlin, F. 1959. Marshes of death. New Jersey Nature News 14(4):85.
- McMahon, G. 1975. The impacts of dredge spoil placement on the upper Mississippi River. Luther College, Decorah, Iowa. Final Report, N.S.F. Student-Originated Studies Grant No. EPP-7508419.
- Miller, E. F., and K. Krumm. 1973. Environmental Impact Assessment Study of Pool 3 of the Northern Section of the Upper Mississippi River. U. S. Army Engineer District, St. Paul, Minn.
- Monte, J. 1974. Man induced vegetational change in the Bayou Lafourche Basin, Louisiana: vegetational succession on spoil banks. Ph. D. dissertation. Louisiana State University.
- Mueller-Dombois, D., and H. Ellenberg. 1974. Aims and methods of vegetation ecology. John Wiley and Sons, New York. 547 pp.
- Onuf, O. P., J. M. Teal, and I. Valiela. 1977. Interactions of nutrients, plant growth and herbivory in a mangrove ecosystem. Ecology 58(3):514-526.
- Orton, R. B. 1969. Climates of the states - Texas. U. S. Department of Commerce Environmental Data Services, Climatology of the U. S. No. 60-41. U. S. Gov. Print. Off., Washington, D. C.
- Nordstrom, K. F., R. W. Hastings, and S. Bonsall. 1974. An environmental impact assessment of maintenance dredging of the New Jersey Intra-coastal Waterway. Tech. Report No. 74-1. Marine Sciences Center, Rutgers Univ., New Brunswick, N. J.
- North Star Research Institute. 1973. Environmental impact assessment study, pool 1 of the northern section of the upper Mississippi River. Contract No. DACW 37-73-C-0059, St. Paul District Corps of Engineers, Minneapolis, Minn. 300 pp.
- Pigott, C. D. 1969. Influence of mineral nutrition on the zonation of flowering plants in coastal salt-marshes. Pages 25-35 in I. H. Rorison, ed. Ecological aspects of mineral nutrition of plants. Blackwell Scientific Publications, Oxford and Edinburgh.
- Radford, A. E., H. Ahles, and C. R. Bell. 1968. Manual of the vascular flora of the Carolinas. Univ. of North Carolina Press, Chapel Hill. 1183 pp.
- Rehkomper, L. J. 1969. Sedimentology of Holocene estuarine deposits, Galveston Bay. Pages 12-52 in Robert R. Lankford and John J. W. Rogers, eds. Holocene geology of the Galveston Bay area. Houston Geol. Soc. 141 pp.

- Richardson, R. N. 1950. Texas: the lone star state. Prentice-Hall, Inc., New York. 590 pp.
- Ricketts, E. F., J. Calvin, and J. W. Hedgpeth. 1968. Between Pacific tides. 4th ed. Stanford Univ. Press, Stanford, Calif. 614 pp.
- River Studies Center. 1975. Revegetation study, Island 117, Navigation Pool No. 8, Upper Mississippi River. Contribution No. 8 of River Studies Center, Univ. of Wisconsin-LaCrosse.
- Robichaud, B., and M. F. Buell. 1973. Vegetation of New Jersey. Rutgers Univ. Press, New Brunswick. 340 pp.
- Robinson, J. W. 1970. The upper Mississippi River dredge spoil survey. National Marine Fisheries Service. NOAA-72011105. 157 pp.
- Salisbury, F. B., and C. Ross. 1969. Plant physiology. Wadsworth Publ. Co., Belmont, Calif. 747 pp.
- Shepard, F. P., and G. A. Rusnak. 1957. Texas bay sediments. Publ. Inst. Mar. Sci. Univ. Texas 4:5-13.
- Shisler, J. K. 1973. Pioneer plants on spoil piles associated with mosquito ditching. Proc. of the 60th Annual Meeting of the New Jersey Mosquito Extermination Association. Atlantic City, N. J.
- Simmons, E. G. 1957. An ecological survey of the upper Laguna Madre in Texas. Publ. Inst. Mar. Sci. Univ. Tex. 4:156-200.
- Small, J. A. 1961. The vegetation of the seacoast of New Jersey. New Jersey Nature News 16:51-58.
- Smith, M. F. 1976. Environmental and ecological effects of dredging; a bibliography and abstracts. Nat. Tech. Info. Serv., Springfield, Va. Report for 1964-76.
- Smith, R. L. 1966. Ecology and Field Biology. Harper and Row, New York, N. Y. 686 pp.
- Sorenson, L. O., and J. T. Conover. 1962. Algal mat communities of (Hyngbya confervoides) (C. Hgards) Gomont. Publ. Inst. Mar. Sci. Univ. Tex. 8:61-74.
- Stick, D. 1958. The outer banks of North Carolina. University of North Carolina Press, Chapel Hill. 352 pp.
- Tate, J. 1974. The changing seasons. American Birds 28:883-884.
- Terpening, V. A., J. A. Nawrot, M. J. Sweet, and Donald L. Damrau. 1975. Environmental inventory and assessment of navigation pools 24, 25, & 26, Upper Mississippi and Lower Illinois Rivers: floodplain animals and their habitats. U. S. Army Engineer District, St. Louis. Contract Report Y-75-2.
- Tharp, B. C. 1952. Texas range grasses. Univ. of Texas Press, Austin. 125 pp.

- Thornthwaite, C. W. 1948. An approach toward a rational classification of climate. *Geog. Rev.* 38(1):55-94.
- Urner, C. A. 1934. What diking did to a salt marsh. *Proc. Linnaean Soc.* New York 43-44:40-42.
- U. S. Army Engineer District, Detroit. 1977. Monthly bulletin and lake levels. Detroit, Mich.
- U. S. Army Engineer District, Galveston. 1975. Final environmental statement: maintenance dredging Gulf Intracoastal Waterway-Texas Section, Vol 1. Galveston, Tex. 171 pp.
- U. S. Army Engineer District, Jacksonville. 1976. Supplement to final environmental impact statement: Tampa Harbor Project, Florida. Jacksonville, Fla.
- U. S. Army Engineer District, St. Louis. 1975. Operation and maintenance Pools 24, 25, and 26, Mississippi and Illinois Rivers: environmental statement. St. Louis, Mo. 221 pp.
- U. S. Army Engineer District, Seattle. 1975. Environmental statement: Everett Harbor and Snohomish River Navigation Project, Everett, Washington. Seattle, Wash. 116 pp.
- U. S. Army Engineer District, Seattle. 1976. Swinomish Channel maintenance dredging, Skagit County, Washington: final environmental impact statement. Seattle, Wash. 164 pp.
- U. S. Army Engineer District, Wilmington. 1972. Project Maps, Fiscal Year 1972. Wilmington, N. C.
- U. S. Army Engineer District, Wilmington. 1976. Environmental statement: maintenance of Wilmington Harbor, North Carolina. Wilmington, N. C.
- U. S. Army Engineer North Central Division, Chicago. 1975. Upper Mississippi River Navigation Charts. Chicago, Ill.
- U. S. Department of Interior, Fish and Wildlife Service, Bureau of Sport Fisheries and Wildlife. 1913. Upper Mississippi River comprehensive basin study.
- Vlaming, V. L. de, and V. W. Proctor. 1968. Dispersal of aquatic organisms: viability of seeds recovered from the droppings of captive killdeer and mallard ducks. *Amer. J. Bot.* 55:20-26.
- Warshaw, S. 1975. Water quality segment report for segment No. 2491, Laguna Madre. Texas Water Quality Board Report No. WQS-14. 38 pp.
- Wells, B. W., and I. V. Shunk. 1937. Seaside shrubs: windforms vs. spray forms. *Science* 85 (2212):499.
- Weselow, D. V., and R. T. Brown. 1971. Plant distribution within a heron rookery. *American Midland Naturalist*. 86:57-64.

- Wheeler, F. F. 1976. Soil survey of Harris County, Texas. National Cooperative Soil Survey, U. S. Department of Agriculture Soil Conservation Service, Washington, D. C. 53 pp.
- Whitesell, D. E. 1970. Wetlands preservation-management in North America. Pages 327-335 in Trans. 35th N. Am. Wildl. Natl. Resources Conf.
- Wiedemann, A. M., L. J. Dennis, and F. H. Smith. 1969. Plants of the Oregon coastal dunes. Oregon State University Book Stores, Corvallis, Oreg. 117 pp.
- Wiegert, R. G. 1976. Ecological genetics. Vol. 4. Halstead Press, Division of John Wiley and Sons, Inc., New York and Toronto. 457 pp.
- Wilson, K. A. 1962. North Carolina wetlands: their distribution and management. N. C. Wildl. Resources Commission. Raleigh. 169 pp.
- Windom, H. L., et al. 1972. Research to determine the environmental response to the deposition of spoil on salt marshes using diked, and undiked techniques--first annual report. National Technical Information Service, Springfield, Va.
- Wunderlin, R. P. 1974. Woody plants of the Tampa Bay area. Univ. of South Florida, Department of Botany. Contribution No. 72. 49 pp.

LITERATURE CITED

Anderson, J. M. 1978. Protection and management of wading birds. Natl. Audubon Soc. Res. Rep. No. 7:99-103.

Crowder, J. P. 1974. Some perspectives on the status of aquatic wading birds in South Florida. U. S. Dept. of the Interior, Bureau of Sport Fisheries and Wildlife.

Mills, H. R. 1934. Report on the Tampa Bay rookeries. Florida Naturalist 8:1-4.

Soots, R. F., Jr., and M. C. Landin. 1978. Development and management of avian habitat on dredged material islands. U. S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report DS-78-18.

In accordance with letter from DAEN-RDC, DAEN-ASI dated 22 July 1977, Subject: Facsimile Catalog Cards for Laboratory Technical Publications, a facsimile catalog card in Library of Congress MARC format is reproduced below.

Landin, Mary C

A selected bibliography of the life requirements of colonial nesting waterbirds and their relationship to dredged material islands / by Mary C. Landin. Vicksburg, Miss. : U. S. Waterways Experiment Station ; Springfield, Va. : available from National Technical Information Service, 1978.

52 p. : 27 cm. (Miscellaneous paper - U. S. Army Engineer Waterways Experiment Station ; D-78-5)

Prepared for Office, Chief of Engineers, U. S. Army, Washington, D. C., under DMRP Work Unit No. 4F04.

Literature cited: p. 52.

1. Birds -- Bibliography. 2. Colonial birds -- Bibliography. 3. Dredged material -- Bibliography. 4. Environmental effects -- Bibliography. 5. Islands (Landforms). 6. Vegetation -- Bibliography. 7. Waterbirds -- Bibliography. I. United States. Army. Corps of Engineers. II. Series: United States. Waterways Experiment Station, Vicksburg, Miss. Miscellaneous paper ; D-78-5.

TA7.W34m no.D-78-5